

0950083-091201

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HHSAG62	1093	847392	1 - 1071	15 - 1085	BE378874, AA737007, AW138715, AI659996, AI160453, AW005261, AA744815, AI200917, AA234970, AU159462, AI023620, AW470812, AI884770, R73182, AW204341, AI864496, AI678069, AI866490, AW511163, AI554306, BE300866, BF447880, BE247469, AA970701, AL044219, AI474100, AI521988, AI572090, AI393372, AI498065, BE048296, AW517150, AI703419, AW009245, AI678319, AW976678, AI561144, D80686, N41876, AW268668, AW117733, AW264604, R53184, R53091, BE859023, BE221725, AA857099, BE504661, AI654488, W04725, AI281562, W05348, AI202513, BE244286, AI128670, R73126, AI677749, T95612, AA366815, AW196656, T95713, AA743687, AI919193, AI623659, AI190876, AA721620, AI360761, AI675202, AA557690, W92674, D60601, AA236192, BE827753, D80953, BE837573, BG056314, AA782813, D60295, N49174, BE827724, AW879046, AA630196, AA039513, D61124, BF858140, BF194924, D81269, D60984, D80681, BE702962, AF078842, AK023960, AL096725, AK024110, AC018809, AC018809, and AC018809.
HHSAG17	1094	566827	1 - 896	15 - 910	AW673679, AL513991, AW161156, AL514657, BG029667, AL514129, BG179993, BG033723, BG026931, AI633125, AL514791, BF792961, AI174394, AL515373, BF812960, AI637584, AL037454, AV757293, AI627988, AV682001, BE621256, BG033199, AL513943, AI623682, AL042745, BG180608, AV726058, BG035511, AL513597, AL119791, AV712848, BG025079, BG252324, AL513977, AI783861, AW162194, AL043293, AL514015, AL135022, AI698391, BF970768, AV681990, AI254727, AI358701, BF970652, AW163464, AV764174, BE910373, AL515191, AL514793, AW983703, BF726862, AV732936, AL120853, AI687362, AI611743, BE619280, BG108406, AW151136, AI570861, BG163618, AV759235, AV733876, AI571439, AW160916, AA427700, BF724894, AL040827, AW169671, AL119863, AL046849, BG109125, BF969494, BF877325, AW983691, BF526020, AI521012, BG036846, AW198090, AL039086, AW023338, AW301409, AI537677, BE048238, BG110684, BG029829, BG114104, BF970658, AL514691, BG256592, AI207656, AL079963, BF764538, BE927769, AA225339, BE789764, BG168549, AL041294, AL513713, BF909758, AI498067, AL514473, AI619691, BG110517, BE047852, BF886638, AA640779, BF822127, AI909697, BF904263, AV703695, BG028818,

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HHSBJ92	1095	838604	1 - 1640	15 - 1654	<p>AA593745, BE504023, AI522104, AW955421, R61539, BE217765, AI693389, AW339978, BE045355, AI215927, AW105306, H41536, AI629005, BF063726, AI818494, AI870123, AW014556, AI871543, BF896419, AI160178, AW467106, BE503835, AA872837, BF896269, BF896270, D81760, AW087577, BF062911, AI910827, BE669431, BF062792, BF447756, AW129235, AI088034, AW129238, BF445029, AI445329, AW050716, AW771942, AI263734, AA211144, BF063713, BE066399, AI648367, AA361213, AI146585, AI399936, AI696453, AA211486, BF369284, AA354387, AA339674, AV727238, AV706223,</p>

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HHSDN84	1096	783070	1 - 1179	15 - 1193	BF526015, AL520956, BF446439, AW470117, AW044412, AV725461, AA445950, AW265503, BG054864, N59157, AV723663, AI538390, H46577, AW105475, AW337119, AW013946, BG055929, AA443347, H18977, BF364366, BE890233, BF344904, H47012, AA298217, AA912311, AA337340, BF834501, AI204974, H51387, BG009237, H19495, H19075, BE895714, BF928847, BE936272, H46576, H19578, AA445927, H23911, H51386, BE719870, AC004775, AF179995, AC005742, AF179996, U83980, AC004775, AC004775, and AC026794.
HHSCU24	1097	815660	1 - 969	15 - 983	AI939453, AI419478, AC020658, and AC020658.
HHSCQ67	1098	581061	1 - 833	15 - 847	AW339310, AW138421, AI096445, BG054758, AI460309, AI298906, AA028135, AA194540, N62510, BF943270, R51062, BF444969, AA989210, BE503741, AV721175, T96936, BF790352, F03197, Z41518, R09383, AI500195, R41509, R39003, N79410, F03549, AW973060, AW138420, AA028160, BF576403, AA211526, AA528221, AI088351, W94051, AI002925, BF090519, BE171598, AW867147, R17847, BF835920, AC009277, AC009277, AC009277, AP001270, and AP001270.
HHSCU12	1099	608277	1 - 268	15 - 282	AA527573, AW014742, and BF941377.
HHSDDB43	1100	812510	1 - 2693	15 - 2707	AI767612, BE297156, BF930288, AW026199, AA843306, AI888602, AA436786, BE302098, AI435594, BE018490, AI200380, AW370838, BF057103, AW593459, AI422938, AI934533, BF516286, AI031897, AW466978, AI700713, AI539641, AW466910, AI963866, AW148755, BF923090, AA418348, AI804025, AI022717, AA844229, AA148947, AA890597, AW965943, AI703026, AW467414, AW376874, AA258099, AA024839, AA148946, AI367828, AA418234, AW576686, AV704326, AW952292, AI393642, AI274279, W22625, AW803694, AI034163, AV702729, AA917371, AW418921, AA677147, AA478824, AW276613, BF221680, AA052953,

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HHSDL07	1101	899430	1 - 415	15 - 429	BE965311, AI805937, AI423302, AI199565, AI674232, AI373573, BE881010, AI479717, AW172357, BG170186, AI423099, AW005988, AI498277, AI479444, AI392899, BF437753, AW594265, AI738487, AI937365, AI273612, AI762089, BF063775, BE796254, BE264161, AA843385, AI263152, AW001280, BF061376, AA232568, BE512986, AI969880, AI015123, AI015112, AA158791, BF115476, AI865576, AI363811, BF446963, C21054, BE292980, R68197, AW589709, BF343982, AA335730, AI758134, AI825116, AI954265, AI928600, BF478236, M91490, AW004003, AI869102, AW956071, BF940884, AA310331, R55863, AI611805, AI659813, AI826556, AA045102, BE730318, AA158790, AI628404, AI695937, AI967979, BF475630, BE621025, BE394139, AI492142, AA045131, AI937401, Z97653, Z97653, Z97653, and Z97653.
HHSDX07	1102	847393	1 - 1707	15 - 1721	BG250380, AI819062, BE877587, AW961540, AA218870, BE880142, AW137042, BF589424, AW021609, AI697789, AW268435, AW859986, AW752484, AU159649, AU154390, AI914414, AW859994, AA588155, AU151002, AU148839, BE856271, BF571164, AW500586, BF571923, AI624125, AI859524, AI086357, BG259270, BF667479, AW960460, AU153720, AI290998, AI805453, N30259, AA946796, AW470143, BE222474, N42226, AA464855, AI143590, AA453340, AI803728, AI092159, AI961984, AI418332, AA934617, AI038144, AA738469, AA191134, AA534880, AI090369, AI183953, AI928280, AA478622, AA478879, AA805995, AW969324, AI862306, AA747372, AI910417, AI279728, AI859003, AA022968, BF910659, AW083409, AW820411, AI971338, AW044259, BE090385, AA918968, AA461371,

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HHSFF54	1103	836149	1 - 1273	15 - 1287	BE889382, BF795103, BF025720, BF797254, BE906150, BE779331, BE906784, BF574740, BF574745, BE380147, BG178899, BE379708, BE783560, AV721911, AV682398, BF674384, AA431812, BF103723, BF030575, AV733030,

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HHSGB85	1104	783832	1 - 1276	15 - 1290	AF009754, BE562689, BE562751, BE378937, BE736631, BE736646, BE873547, BF570022, AW964615, BE539782, BE393564, AW960432, BF570293, AW195595, AA781158, BE393307, AW960423, AW082674, BF060666, BE378314, AI798965, AW195607, BE049430, BF002208, AI688657, AI866750, AW268730, AI090746, AI285982, AW612551, AI186259, AI300357, BE857578, AA907585, AI469472, AI308966, AI921429, AI366703, AI143676, AW662897, AI949969, AI369366, AI360029, AI356214, AI744751, AI920874, BF959419, AA947338, H14235, R17972, AA305657, AI916389, AI572682, AA321924, H28152, R37277, BF374021, AA429149, N39598, Z39682, AI279910, R54420, M62095, N46745, AW391256, F02898, AA883363, R54519, AA777626, Z43623, AF009785, AI475051, AI269819, AI364641, R43462, AA649630, AW190944, AA677494, AW166684, R12351, H30622, AI678360, AA484151, AW969840, BE781080, AC004228, AC004770, AB023171, AF086762, U73629, AJ132931, AR008408, AC004770, AC004770, AC004770, AC004228, AC004228, U73629, U73629, and U73629.
HHSGL84	1105	801913	1 - 1023	15 - 1037	AL133784, AI291362, AA648108, BE046923, N64753, AW969769, AA484137, BG005716, BE702251, D61027, D60630, D60194,

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HHTLH79	1106	754847	1 - 932	15 - 946	AC023844, and AC021677.
HIABC70	1107	838605	1 - 1622	15 - 1636	BE902198, BE538152, AW874392, BG231934, BF738568, BF359810, AI673392, AA348792, BF900822, BF869990, AI284000, AW265510, AI821312, AW024320, BF589770, AK025123, AF141332, AF141334, AC002544, AF141333, AC002425, AC005049, AC073316, AC007263, AL389897, AC018758, AC008389, AC004084, AC005231, AL031985, AC010609, AL031727, AC008812, AC005793, AC002544, AC002544, AC002544, AC002425, AC002425, AC008956, AC008956, AC008956, AC018556, and AC018556.
HIATG10	1108	857608	1 - 395	15 - 409	AA572743, AU144526, AI755057, AW904668, AK021572, AC007390, AC007390, and AC007390.
HIBCO70	1109	853360	1 - 1638	15 - 1652	BE797650, BE463523, BF245304, AI765566, BG150014, BE439553, AI885672, AI884618, BF063716, BF514336, AW044399, BF002492, AA552715, BE540877, AW957350, AW770007, AI469295, AA599267, AI650445, AA721644, AI927956, BE813965, BF095755, AA350181, AA093825, AA516329, AI458406, AW513931, AW450664, AI912964, BE772112, AW079354, AA091627, AW865968, AA350180, BE219114, BF920708, AL537913, AL532920, AW502031, F05999, R67189, H10277, H07012, D45280, AW814767, AW372019, H09633, BF895368, BF724615, AA302806, BF947181, BF956714, AV718092, R63058, BF966341, BF947167, AL048660, AA356321, R14207, AI282564, AI640320, AI287961, AK025859, U45956, E14793, and S65735.
HIBCR82	1110	610016	1 - 1514	15 - 1528	AW953237, AI676095, BF511194, AI804358, AI126821, N53408, AV709177, AW838182, AA350226, H05900, H13010, AA286807, AA804645, H92606, AA350225, H92269, H05154, R95427, C20785, BE701293, AC006534, AC006534, AC006534, AC023123, AC023123, and AC023123.
HIBDA41	1111	603909	1 - 1776	15 - 1790	AW593381, BF000487, AI261282, AI758903, BE856818, AI870470, AI128119, AI313369, AI334264, N55514, H73269, N71556, N71316, AA350421, R96422, AI375064, R69811, N71367, AU149925, D30866, BF793568, N77003, N99799, T80901, N99564, R87909, R86876, R60794, R96379, R60288, R88475, AW162314, AI244417, BE706265, AI889995, AW162332, AL041375, AI003068, AA180056, AI174703, AV763460, AV762541, AI889236, AI065031, F06690, AI890283, AU151751, AW963552, AW022796, AU146789, AA661583, AW501278, AW514844, BE882869,

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HIBEC45	1112	822854	1 - 2310	15 - 2324	AL529563, AL525845, BE795503, AL525806, BE745547, BF338579, AL529562, BE786086, BE744001, BF983838, BG255491, BG112765, BE791221, BE881216, BF313445, BF203369, BF305183, BE379101, AI921119, AW954548, BE898351, BF568546, BF971433, BE745516, BF026865, BG249548, BF527040, BE270045, AA621731, BF690584, BE409271, BE276061, BG035855, BE295647, BG118719, BE265236, BE888092, BE740811, AI954606, BE740562, BF034646, BE744318, AA058932, AI422081, BG251814, BE744561, BG112789, BF033590,

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HISAE16	1114	845233	1 - 410	15 - 424	<p>BF854308, AL042630, BG001205, BF792136, BE908214, AA593428, AI378425, AA547979, AI620756, AI114645, BG013790, AW769687, H57324, BG002749, BF935892, AL039761, BF931041, AA551035, AW068786, AA501867, AV757738, BE153453, BG030371, BE153435, R19998, AW970571, BF345935, AL515221, BF978949, BF904813, BE063362, AI018726, AU158565, BF982195, C15362, AW813106, AW793829, T95128, AW467882, AW270429, AV719210, AW406046, AW270351, BF771419, AA578394, AA757646, AL121287, AV759632, AW378516, T60029, BF184183, AW068580, BF738363, BG009504, AW964547, AW378511, BF725837, BF770580, AA078225, AW589387, BE774215, BF892816, AC003104, AL133289, AP001710, AF119908, AC009242, AC010491, AL121601, D89013, AC008379, AC010473,</p>

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HISAT78	1117	840961	1 - 2298	15 - 2312	<p>BG026276, BG259402, BF306944, AA570389, BG034712, BF204957, AW954950, AA628408, AI885041, BE299078, AA775796, BG257523, AA143345, AW268482, AA127867, BG115109, AA127723, AW953068, AA917093, AA776727, AW083266, AA476752, AA032244, BF793393, AW269441, AI130939, AI091872, AI082240, AW005095, AA127715, AI677906, AA476754, N59422, AW028725, W89015, AA824233, AI858939, W74250, BE855572, W67630, AI248997, AW662782, AA031471, AA885202, AI168327, AI859188, AA703322, AI880820, W24160, AI749093, AA694066,</p>

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HISBA38	1118	561711	1 - 1044	15 - 1058	<p>AA465219, AW968392, AA465303, AL042753, AV759518, BF868994, BG029528, BF725761, AI963720, AL037683, AA129746, AL041924, AV682003, AV763460, AL138455, AL079734, AV757289, AI282253, AA669155, BF827410, BE252421, AL042853, AV760391, AA760655, AL079447, AV760389, AV762395, AA551105, AI049643, BG164617, AL137020, AC006581, AL122023, AL022322, AC007436, AC004706, AB045357, AL035552, AP002532, AC022324, AL121869, AL109752, AC020559, AC006017, AL354943, AL121823, AF117829, AC018719, AL138832, AC010722, AL163206, AL138879, AC005250, AL163213, AL133517, AP000493, AC005539, AL139150, AC003029, AC009316, AC005002, AL133244, AL137818, AL031433, AC010081, Z97985, Z94722, AC025253, AL137918, AL121652, AC073881, AC004998, AL163201, AL137840, AL049835, AC006466,</p>

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HISBB66	1119	839808	1 - 2718	15 - 2732	BG164170, BE893348, BE739755, BF439851, BF439999, BF691337, BF115491, AW303275, BF446457, BE857621, AL519668, AI769372, AA286950, AI688576, BF245744, AI307770, AI359814, AW341260, AI457599, AI681623, BF592990, BE670476, AI636679, AI311667, AA630801, AI311126, AI275428, W93715, AW237003, AI955269, BE466164, AW576246, AI362127, AA703197, AI363282, AI760582, BF132602, N23576, BE669852, AI381294, H98854, BE551875, AA765306, AA884616, AI089207, AI139024, W69976, W93564, AW664823, AW474172, W69975, BF739822, AI206920, AW002503, AI457181, AI027011, AI284731, AA706129, AA910630, BE738976, AA496532, H73452, AA789077, R74208, H89688, AA805090, AW087256, R12404, AI420565, H61519, BF247573, AW594368, AI635521, R09785, R12376, AI446286, AA721417, AA286904, R09814, AI031706, BE842690, BF695576, AA337514, AA334991, AA337424, AW511050, AW182334, AW960779, AL529761, BE842693, W15210, AW958149, AI336151, AW900258, AC009331, U71267, AF091094, AX013186, U71268, AL389980, U71269, and AX013611.
HISCJ20	1120	531876	1 - 358	15 - 372	AL359255.
HISCK41	1121	581281	1 - 2029	15 - 2043	
HISCO45	1122	771682	1 - 1543	15 - 1557	AI921786, AV703422, BG254558, AV707366, AA057597, AV706909, AV703324, BE536340, AV704248, BE765423, AA447837, AV710471, BF435743, BF435141, BF115814, BF439399, AI168265, AV710745, AI418544, AW471070, AI860235, AA744882, AI143200, AI092280, AI674133, BF977215, AI801057, AI271542, AI129917, AW081948, AI298951, AA564823, AA516004, AV746959, AI142851, AA772284, AA181567, AA844065, AA610864, AA468700, W27236, AA724624, AI684930, AI024456, AI688361, AA447686, H45369, AI242556, BE832886, BF856286, AA182462, H87331, H85312, R18802, R13033, AA782667, AW238877, AI189371, W27431, AW150801, R43912, AI002662, BF678138, AA724852, H87864, Z39422, AA725367, BF930969, AW664726, BE835592, AI288601, BE702067, AI334338,

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HISEJ52	1123	886777	1 - 1685	15 - 1699	BG106330, AW129000, AW001907, AW071541, BF842078, BF765753, BF374211, BE274822, AA101169, BE729765, BF882799, AW149864, AA643170, AA082181, AW081015, BF332018, BF084115, BE183997, AW392996, AA923047, AA344751, AI760437, AW975143, AW970877, AW975607, AL036725, AL037051, Z99396, AW975261, AW975229, AW979228, AW973271, AW973200, AL038837, AW973241, AW979144, AW973808, AW979252, AW973189, AW975161, AW975925, AW972736, AW969783, AL039074, AW973097, AW973103, AW975163, AW973101, AW973780, AW973190, AW969803, AL039085, AW973202, AW973127, AW969782, AL039564, AW973781, AL039156, AL039108, AL039109, AW971417, AL039128, AW973772, AW970997, AW976511, AW973141, AL039659, AW969794, AW969714, AW975987, AA631969, AW969756, AL038531, AW975593, AW969768, AL037526, AW979236, AL039625, AL039648, AL045337, AL042909, AW973273, AL039678, AL039629, AL039150, AL039386, AL039423, AL040992, AL036924, AL038851, AW974990, AL036196, AL037726, AL039410, AL036767, AL036190, AL037094, AL037639, AL045353, AL037082, AL036973, AL037615, AL037077, AL044407, AF072441, AF061947, AP000352, AC009361, AF240786, AP000351, AB002328, AX046357, AR096545, AR064706, Y11449, Y11447, AR060234, AR073846, AX003207, A95051, AX006820, AX035632, AX035630, AX035631, AX035629, AX006819, AX006818, I68636, AX041094, AR066494, AR061736, Y17188, A81671, AR095491, AJ279014, Y11458, AR095490, A91754, AX026821, AR031374, A49700, AR031375, AX001325, AX001326, AX001323, AX001324, A58521, AR020969, AR054723, AX027925, AR071572, AF019720, A80951, AX047062, AR092424, S69292, I18371, D44443, AR025207, AX020190, AR017907, X68127, AB037923, AR036905, AJ244003, AJ244004, AJ244005, AX046223, A97211, A98767, AX006816, A93963, A93964, I63120, A38214, AX033488, AX033489, AX033490, A44171, I56772, I95540, AR018924, AX033474, AX033486, AX009712, AX033487, A63067, A51047, A63064, AR018923, A48774, A63072, I66495, A48775, AR068507, I66494, AR068506,

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HJABC58	1124	753272	1 - 1782	15 - 1796	AW862153, AW593103, AI374850, AA449334, AA621408, H07033, AA599760, AA355158, AA494471, D45462, H21905, Z25163, AA885003, AU147922, AL037910, BG057491, BF508097, AI016704, AA878149, AW962942, AA603323, AV733057, AA557486, BF725347, AL046782, AW268277, F17700, AI859834, AI538812, AA838140, AA424406, BG231179, BF964699, AI598003, BF475757, AI859280, AW955984, AW167154, AI053445, AL041083, AW997035, BG060130, AA468322, AV682490, AW973400, AW955986, AV759337, AW950271, AV764104, AL135698, AV733328, AW975095, AU120769, AI139895, AA346485, AV733352, AI347810, AA663966, BF108874, AI673731, AI002261, AL036283, AA814510, BE302974, AI079129, N22032, AA491807, W23546, AW265138, AI050007, BF057326, AW028908, AU158128, AL079834, H05073, AW274078, AI342622, N69688, BE275380, AW574976, BF796375, AI870197, AI049831, AA564561, AA126035, AI797998, T03900, AI708444, AA830594, AI597832, AA526193, AA613627, AL117474, AL022165, AC004500, AL121989, AL049694, AC005599, AC005520, AC008745, AC024576, AC004685, AC003042, AL109758, AC008747, AL139092, AC024952, AP001729, AC021876, AP000552,

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HJABG59	1125	855949	1 - 1521	15 - 1535	AA355360, AC073141, and AC015471.
HJABR75	1126	825608	1 - 1314	15 - 1328	AA310146, AW958503, AA404234, and AA401260.
HJABS31	1127	825607	1 - 1218	15 - 1232	BG170897, AW957838, AW957915, AW958504, BE931691, AA313686, AL521434, AW957913, AW391898, BF898638, AA310188, BF089931, AW372096, AA259109, N28734, BE876705, H30439, AV706215, BF898636, AA354877, AW499821, BF476855, AV715139, BF238788, AW630500, AW609815, BE093047, BE093059, AA423913, BF892740, AA247625, BF898660, BE762925, BF801598, AA953888, BF674382, AJ010346, AJ010347, AL133621, AL138966, and AL138736.
HJABT12	1128	602861	1 - 543	15 - 557	AA310178, AA135682, AI425067, AI911326, AI858716, AA135595, and AA651788.
HJACE25	1129	835517	1 - 1306	15 - 1320	AA732444, AL110457, AI419081, AL536211, AV713684, AW962255, BF002236, BF038049, AA311008, BF684471, BE502178, AW027795, AI521613, BF683573, AI282709, N30086, AI991355, AI694158, BE326897, H81916, BG120150, AI918715, BE273891, AA313089, N40873, AI282428, AW198215, BE274657, W95689, AI363932, BE894873, BG257835, AA278139, BE385279, AW968568, AA767732, AW975618, AV724520, AW968743, AV718489, AV699550, D80391, AW966053, C14429, D80196, AV722801, AW949645, AV718692, AV720731, AV719188, AW959202, AV718633, AW960553, AW949656, D51423, D80227, AW978634, D59787, C14331, D51799, AW973541, AV718440, AV720028, D80038, AW973485, D59859, AV699447, AV720211, AV718844, D80166, AV719557, AW978661, AW966531, AW975605, AW966534, D80253, AV718931, D59619, AW959628, D80210, D80240, AV719822, AW973307, AV719324, D58283, AW960465, AV723927, AW959136, AW949642, D80188, D59467, AW966013, D80212, D80269, AV720791, AV720203, AW966041, D81030, D57483, D80195, D59889, AW975621, D80219, AW966062, AW959799, D59610, AW966054, AW966050, D80043, AV719783, AW959597, AW965177, AW959570, AV718800, AV699927, AV720464, AV718770, AW964488, AW949641, AV718938, D59502, AV721386, D59927, AW966043, AW959062, AW949629, AW949653, AW949631, AW949643, AW949618, D80022, AW949657, AW949655, D59275, D80193, AV720812, AV700889, D80366, AV723097, D80241, AW966022, AV719468, AW949654, AW965158,

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HJACK21	1130	664506	1 - 1257	15 - 1271	BE889764, AW964443, BF309889, BF154847, AI475171, AA633943, BE818581, AI206488, N39060, AA311529, BE838110, AA553694, BF908898, BF958196, AV709760, N48416, AA578750, AA629724, AA318891, BF934117, AA317711, BE830939, N30674, Z28717, AA507053, BE702315, BG230732, T90743, T90750, AA922127, AI989379, AW853026, BE769274, BF681046, AW297594, AA707085, BG058036, AB007957, and AJ009640.
HJBCG74	1131	839361	1 - 2441	15 - 2455	AV756403, AL531156, AW961214, BE908906, BG176753, BG109863, BE895200, BF968487, AW956322, BE466999, BF572089, BE673642, AI743985, AA928692, BF439683, AI819348, BF383076, AI432127, BE048544, BG166045, AI738456, AL531157, AW611796, AI479564, AI022947, AI630323, AI304409, AA932083, AA666012, AV647171, AW204904, AI537186, AI915800, AI474316, AI804251, AI631358, H82353, AA315402, AI631353, AW271478, F12482, AA312011, N22598, AA161161, BF132219, AW827102, R46383, AW243689, AA878054, W56133, Z40249, AA376286, F10100, H00518, BG003230, BE003825, T88941, AV750441, AA161160, BE298392, Z44288, R21335, BF807874, AF084943, AL050356, AF084944, AF046914, AF012714, AF046908, AB041574, and AR096468.
HJBCO21	1132	695727	1 - 573	15 - 587	BE903730, BE856894, BG031198, BE274775, BE392986, BE731794, BE281210, BE902881, AI937021, BF124917, BF125296, AI142089, BE268783, AI830888, AA316678, AI536966, AI184757, AA595467, AI684336, AI085722, AA948053, AI051704, AA312230, AI879919, AI571415, AI081163, AI493513, AI494389, BE937133, AA292902, AI334931, AI094698, AA100071, AA687862, BF818912, F32795, BF845471, AA099438, AI358636, AA879115, AA804193, AA100148, BG105372, AA894578, AA552494, R96465, AV742291, F37009, AA099479, AI268640, AI304866, AA513429, AA581118, AI708047, AA247881, BF890847, AA507473, AA373032, F21367, AA279014, AI216820, AA581143, AI591039, AI380568, AA857524, R12395, BF154966, AA401736, AA918417, AA301466, AA730669, AA373703, AI971055, BE076415, AA471327, AI005650, R09806, AW193649, AW947271, AW008928, AW869421, AA654076, BG059124, BG059311, R94928, T86155, R92142, BE163673, AF004164, T78635, AI620153, AI086235, BE694933, AW021662, AI521799, AA713511, AA713851, BF814360, BF906762, AA504514, AW083804, AI287476, BE393551, BG168185, AA999906, BE964497, AI918634, AI934000,

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HJBCQ40	1133	831119	1 - 1055	15 - 1069	BG258766, BE869327, AW394038, AW157294, AW394036, BF795374, AA306435, AW163057, AW157089, AI878985, AW162479, BE781381, AA311937, AI879487, BG115099, AA306611, AW610254, AW403413, BF240145, AW407973, AA312498, BE784103, AA310305, BF031478, AA120901, AW163350, W21240, R18124, AA971457, AI223218, AA377328, AW964009, AA332342, BG119548, AA248513, AA360185, AI690275, BF217794, AW362967, AW362956, AW753912, AW362951, AW362962, AW362949, AW362950, AW362965, AW362974, N91094, AC011667, AC012052, and AC012052.
HJBDM36	1134	773168	1 - 2763	15 - 2777	AL524050, BE792077, BE735554, BE379529, BE792456, BF027049, BE909158, BE799708,

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HJMAF30	1135	638188	1 - 589	15 - 603	AI090108, AW805567, BF516195, BF059367, BF130185, BF695009, BE536283, AA810218, AA513307, BE566197, AW028090, AW962984, AI572270, BE542187, AW451013, BE541674, BF217440, BG165010, AI373062, BF244913, AI492435, BF740078, AI141965, AI161216, AI952357, AI420596, AI804945, AI123032, AI478408, AI830622, AI984276, AA588635, AW612168, AW517645, BF110127, C15098, BF195923, BE539564, AI580816, AA430124, BF218455, AW628147, AA902480, AI611205, AI928306, AI824182, AA368086, AA731886, AA358722, BF217024, BF219365, AA732765, BF217940, BF978380, BE706819, AW383478, AA470116, AI928316, AW383528, AA358723, AW383489, BE739311, BF573026, AL046849, BF131771, BE738867, BF675829, BE542005, AW609899, AI075391, AA974899, BE175114, AI630005, BE540675, AC008126, AP001207, AP000426, AC016258, AC016258, and AC016258.
HJMAM72	1136	638189	1 - 389	15 - 403	AI471761, BF438868, AI247900, AL043569, AI018170, AI866145, BF209668, AC004817, and AC004817.
HJMAZ60	1137	844796	1 - 2954	15 - 2968	BE794376, AL524275, BE733575, BE747361, BE739678, BE410063, AL120741, BE514457, BE734791, BF568768, BE268430, BF338542, BF569723, BE560557, BF309451, BF568606, BF982431, BE735240, BE561924, BE301945, BG036450, BG167204, AV709612, BF345737, BE778057, AA573741, BE739751, AW409804, BE773007, AA191552, W93042, BF000624, BE515009, BE738893, BE857434, AW575471, AV701920, AW402618, AW409704, AA496304, AW073345, AL524276, BG034924, AW300845, BG142167, BF307310, BF983165, AW750275, AA744892, N39760, AW176264, AI498051, AA419262, AA932846, AA632390, AA504894, AI564499, AI128977, BE561603, AA737814, AA419313, AA565758, BE905564, BE621292, N26317, AW291428, AA533063, AW957056, BG006101, AI375164, BE738972, AA662704, AA935484, AA128486, AI266104, N32937, N42608, AA307525, AI272853, AI354318, AA565783, N35109, AA191421, BG231901, AI091816, W24942, N62754, AA113164, AW606259, BF058440, BE397637, AI139914, R35445,

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HJMBB20	1140	844890	1 - 3939	15 - 3953	AI828035, BG252052, AV756210, AU123887, BG107993, AI968420, BE047020, BG150262, BE786223, BF691749, AW958490, AV717340, AV655712, AW960128, AV701078, AI768354, AW003044, AI735590, BG165299, BF690890, BE349107, BG107088, AI651001, BG257125, AW515983, AI813895, BF541178, BE617430, AA741569, AI436214, AA723133, AI814882, BF063514, AI566749, AI128036, BG107549, BF666388, BF679448, AI859424, AI982852, BF577234, AI394110, BG169549, AA810931, AW338570, AW074858, AI828365, AI889331, BF131909, AA465301, AA831595, AI824327, AI634792, AA521126, BF213612, BE564665, AW468778, AI609953, AI812079, BF031870, AW470768, AA004609, AI184940, BF572774, N39485, N26796, AI457283, AW150907, R70874, AI004766, BF218788, AI494513, AA767032, AA641746, AA134551, D11999, AA134550, AI301679, AW590980, W27345, AW338976, AW513317, AA243523, BF690968, AW337156, BF130452, AW043788, AW073234, BF031489, AV755560, AA223397, BF028390, AI870556, AA188081, AW504907, AA810250, AI952343, BF216538, AW769116, AA223681, R73730, BF062111, AI459188, AW025640, AW387525, AW387578, AA765139, AW387698, AA713955, AA309793, AW630168, N55743, AI383124, AI547174, BE241520, D30931, AI829859, AW006835, AF136409, AV749644, AI921668, AA385103, BG165879, AI610092, AI568100, AA210803, AI362611, R73649, AI921603, AW958115, AW961433, AI792960, R70875, AA766608, AA042801, T93982, AA598568, AA366731, AW999671, AA095711, T93306, AA074968, AV758414, AA329172, AI928011, AI366895, AA766506, AA974976, AA248504, AA553516, AA182001, BF089724, AI954039, AA248975, AI564468, BE241647, BE087801, AI174635, T18521, BF102880, BE247156, BF103415, AW999094, AL514473, AL514627, AL514791, AL514087, AI554821, AL514015, AI678409, AL513597, AL513631, AL513817, AL514691, AL514919, AI890907, BF904258, AL514623, BG257535, AL514721, AI927233, AL514511, AI539800, BF868489, AL514457, AI539260, BE966577, AL513779, AL513781, AI241901, AI312542, AL513991, AL513911, AL513979, AL514543,

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HJMBK59	1141	664490	1 - 644	15 - 658	AI953810, AI129809, AI885858, AI870788, AI829898, AI955632, AI564792, AI122606, AW157366, AI911811, AA730184, AI185062, AI802481, AI570409, AA563604, BG253529, AA400320, AI143126, AI149092, BF967607, BF220253, BE410208, AA622255, AI333841, AA888035, BE314692, BF976373, AA766139, AA825537, AI936897, AA663424, BG110096, AA136832, AI418088, AA973565, AA480592, W96400, AI302864, AA236962, AI017242, W26651, AI420578, AA476581, W96401, BF967534, AI199168, AA643160, BE746163, AA708947, AA936241, AW249833, AI039396, AI678320, AA149101, N70871, AA075409, BE538985, W45670, AI266334, BF973443, N29362, BG058797, AI310750, H45292, AA211786, AA580627, AW953496, W45669, AA742922, AL040741, AA976411, BE881663, N25913, AA075377, AI014635, W96395, T96655, BF343133, BE252342, AI003956, Z25390, BF686440, AW393763, AA132010, AW406060, BF725696, W06828, AA428212, F26918, F34981, AA721104, AV706882, BE314340, AA770101, AA236751, AA400637, BE710222, AA864444, N47909, AW248354, T85675, R08743, AA890232, BF219701, F00418, BE932227, W27928, AA132098, R08744, H91864, T91253, BE266040, BF881205, BE710203, H45367, AI808557, AI382823, AA658015, AW884904, BE833741, AA429822, BE932280, AW161839, AA857244, AL513803, AL515041, BF685529, AL047042, AI349772, AL513597, AL119049, BF968041, BF054789, AL513907, AV704928, AL514627, BG058208, BF673434, AW071349, BF724691, AW195406, BE785905, AW827203, BF795712, AL513763, BG108147, AI349645, AL514935, AV755581, BE964812, AV723204, AI868831, AL514803, AL121270, AV758806, AV682266, AV681951, AV655645, AW162071, AV710479, AV682441,

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HJMBP01	1142	638190	1 - 619	15 - 633	<p>BE794262, BF513528, T87074, BF511141, AI041357, AU150512, AI092498, N98780, BF510224, AI865484, AI092779, AI127046, AW449614, AA983549, AW449890, AA722618, BF216378, H01176, BG119433, W31379, AW051637, BG026514, BG248347, AI299177, AI277337, T87073, AW291750, AA054704, AW342036, AA053139, N25835, AA962740, AA657605, AW374000, AI371426, BF310661, AI303007, AA934482, AI948425, BE440006, AI309289, AW874395, BE271728, AW749583, W95793, BF909052, AW749576, AA903577, AI453622, AW749554, AA934688, AI469932, AA947927, BE261359, AA878925, AW592818, AW778814, BE257692, AI300158, BE378983, BE904996, AA044799, AA872710, BE879729, BE567185, BE740887, BG111960, BE251176, BF035847, BG109710, BE258999, BE383397, AA044747, AA058505, AV716604, AV681938, BE620053, BF036166, AW374030, AW384982, AV710056, AW300782, AA912713, AI921790, AW300889, AW374003, AI143381, N92290, W95680, BE294553, AW601910, BF310228, AV712772, AA055227, AA055226, BF312584, AV713230, BF304421,</p>

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HJMBQ17	1143	840456	1 - 261	15 - 275	AI139584, AI085701, AW954426, AI086926, AI927728, AW016587, AI343741, R42632, AI769583, AA877474, AI086492, AI740970, AI129368, AI363021, AI302609, AA122062, AA861475, AI333509, AA587400, AI129882, AA651623, AI312943, W68628, AW001167, AI081993, AI031638, AW511212, AA536154, AA122073, AI189687, BF593787, AA464188, AI190062, N24851, N29841, BG057294, C20975, T54298, T53429, N98757, AA464781, AW293408, BG222503, AI356953, AW572561, AI432962, AI969573, BE045761, AW337187, AI597787,

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HJMBW62	1144	589962	1 - 1425	15 - 1439	AI961498, AL035460, and AL035460.
HJMBX54	1145	621356	1 - 1006	15 - 1020	BF343211, AC013644, AC013644, AC055747, and AC055747.
HJPAF69	1146	589794	1 - 1062	15 - 1076	AA356856, AW806839, AI267356, AA515728, AA904211, AI267450, AI282253, AI801505, T74524, AW237905, BE063437, AW970571, AA916430, AI253376, AI890324, AV647070, BG222875, AI590906, AI355559, AL118676, AI284640, AA501867, BG059314, AW973992, BF997771, AI679759, AV701116, AL079734, F36273, AA559241, AI049868, AI251576, AW976024, AI859011, W45306, BE395467, AV763026, AV763058, AW069769, AI609972, AV760937, AL041894, AA503298, AI223626, AW023111, AA641122, R83708, AW341903, AA630854, AI744997, AA598954, BE047069, AI306232, H68343, AA502991, AI732483, N23504, AV762139, AA862243, BF744666, AA687730, AI583466, AW068596, AW069227, AA533025, AA507993, AV758870, BE328656, BF991208, AV655282, AI049630, AI039089, AI431303, AI339850, BE153364, AV764259, BF805088, AA601492, AA452887, AA598892, AI872229, AA581247, BF968874, AV682003, AA297145, AW242031, BF942454, AA679523, AI589942, AW063143, AI929531, AP001715, AP000039, AP000107, AP000280, AC005071, AP001711, AC005080, AL049691, AL121985, AP000133, AC004659, AP000211, AC004832, AC005773, AL354685, AP001713, Z84480, AL121838, AC004878, AC011464, AL133344, AC006337, AC004825, AL008710, AP000102, AL031291, AC008556, AC013434, AP001625, AL008709, AL035671, AC018719, AC004673, AC004025, AL096817, AP001719, AC004485, AL035670, Z99758, AP000033, Z97987, AC005047, AF131215, AL008627, AC005324, AC012380, AP001747, AC006013, AC002288, AL008716, U95740, AL096862, AL121984, AC009039, AP000563, AL109797, AC004985, AC004491, AC016144, AL137063, AL021877, AC005192, AL160033, AC003085, AF107885, AC005277, AC007205, AL049633, AC009756, AP001671, AP001700, AC007619, AC004973, AL138770, AL133500, Z97629, AL132656, AC068312, AC022308, AC007749, AC009305, AL031118, AC018645, AL049591, AC008281, AL138756, AC008924, AC009721, AC008151, AL121655, AL138707,

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HJPAQ19	1147	566832	1 - 1095	15 - 1109	BE311969, BG029679, BE799582, BE891294, BG105307, AW965137, BG031301, BF207686, BE265543, AW369227, AW369070, AW369148, AW369079, AW369178, BF668620, BF700890, BF246147, AI132997, BE887221, AA909407, AL035939, AI269117, BF218596, BE265257, AW603075, BF208617, W21827, AI309011, AA806279, AW404763, AW769203, AA588305, AA969421, AA903278, AA688038, AI161184, AU121571, AW610542, BG165362, T49713, AA204988, AA205044, AV652416, AA308353, H94380, C14579, AA091050, AI630305, C15311, BE167479, T49712, T32554, BE740858, F37284, AW582816, F31188, AW878300, AI267632, C00081, Z20416, T97758, AA253250, AV742364, AW291005, BF509658, AA253121, AW513866, BF087273, AW969323,

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HJPAZ35	1148	845379	1 - 1949	15 - 1963	BE614396, BE262436, BE622976, BE734320, BE314528, BE253835, BE312723, BE900570, BE250151, AI003066, BG031275, BE741443, BF569188, BE742211, BE314384, AW409903, BF690063, BE378576, BE796451, BE562843, BE799448, AW327734, BE250208, AW959440, BF304987, BG117537, BE797494, BE747567, AV715137, BF313457, BF690540, BE742480, BE744998, BF688922, BF528237, BF794975, BE300092, BE744910, BE249903, BE747155, BF033054, BF308494, BE865456, BF975833, BF795074, BG029702, BE676711, BE745432, BG171725, BE260460, BE250352, BF316017, BF796355, BE298715, BG111211, BF968197, BF314700, BF970539, BE259231, AV718124, BE515154, BF307967, BF797976, BF311164, BF313637, BF035371, BF568241, BG250528, BE293490, BE253870, BE263414, BE882213, BG165507, BG034099, BE535728, BF667362, BF128624, BF311843, BE743207, BF568622, AW327266, BF306982, BG112694, BE898452, BE260048, BE744236, BE889917, BE781170, BE541367, BF970467, BE784356, BE536574, BE615057, BF094757, BE620074, BF315242, BF129042, BE737179, AI982744, BF312237, BE780828, AW994039, BG165816, BG106176, BE727855, BE259846, BE314269, BE542445, BE263110, AW160355, BG027194, BE536735, AW994431, BE207016, BE547556, AI625553, BE271429, BF341684, BF686273, BE742852, BG117070, BE258517, BG110803, BE299991, BE257177, BF317263, BF205279, BE390842, BF982979, BG118847, BF973171, BE206844, BE298494, BF983326, BE544019, BG031332, AW157170, BE620611, BE744524, BF568783, BE782038, BE901859, AW160966, BE253985, BE312844, BE253520, BE280247, AW250087, AW194298, AW386163, BE888484, BF978132, BE297210, AW410863, BF316778, BE313933, BE263479, BE276645, BE395922, BE868303, BE350583, BF309085, BF688695, BE269877, AW896399, BE538755, BE257309, BF314898, AW410812, BE566910, BE182085, BF979209, BE295892, BE541734, BF966674, AW163144, BF238002, BE891808, BG253513, BE392754, BF315753, BE254551, BE280042, BE778503, AV762617, AW304883, AA205439, BE391200, BE313688, AW860515, AV705636, BE258581, BF568543, BF698390, BF689638, BE392845, AW994410, BE258905, AI635877, AW262250, BF794430, BF317197, BE393962,

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HJPBI77	1149	602875	1 - 794	15 - 808	AW612605, AW298304, AW957786, AW957863, AA307267, T52159, BF328564, AI392710, AW889348, and AI026771.
HJPBN96	1150	610087	1 - 1022	15 - 1036	AL523744, AL518417, BE738588, BF343630, BE872564, AW378155, BE614414, AW604406, AL516298, AF121180, AW370146, AW378241, BG121292, BG252058, BE545185, BG169715, BE888542, AW378176, AW966070, AW378238, AW748330, AL522350, AW245656, BE871390, AW378240, AW748329, AW378233, BG250164, BE546410, BF807840, BE784381, AW954718, AA522530, AL520419, AL536079, BE546574, AW352433, AW370144, H40708, BF683301, AW370162, AW073128, BG168704, W29115, AW352434, BE545344, BF526830, AW876927, AW378136, BE544219, AW378167, AA779698, AI435833, AW574777, AW574776, AA419606, BE696081, AA604253, AL523745, AI417546, BF589266, AL518139, AA001456, AI095039, AA576999, AA102640, BF215342, AW378139, BE696066, AA190486, AA856578, BF341544, AI937287, AA056329, AA669335, AL518418, AA520984, AW006110, AA031658, AL536080, AA533627, AA156568, BE273477, AI498922, AL520420, AW027280, AA016189, AW378231, AW361385, AI884745, AA838222, AA548372, BG117204, AA973742, AI083719, AA668780, BG260098, H06492, AA135206, AW378173, AA748351, AA017476, AA021123, W96135, BE880249, AA618602, AA643059, AI149145, BG236134, AI224159, AA411709, AI459590, N71755, AA428585, BF477479, AA923484, AA729826, AA430505, AI301333, BE044381, AA903993, AA599035, AI609698, AA782736, AA019443, AA968939, AA417650, AA429539, AA227565, AA826910, BE301209, T30788, AA568471, AI298959, AA059113, F20504, T33341, AI335856, AI423965, Z41712, AA035574, AI721035, W92466, AA670172, AA977546, AA054248, AA256047, AW366242, BE888365, AI280684, F27507, H84005, BE301108, AA453677, AI933378, AV708418, BE616605, H86072, AW366248, AA568809, BE546543, BE543362, AL532448, AA028068, AA157740, F36765, AI828635, BE616497,

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HJPBU47	1151	824063	1 - 924	15 - 938	BF984142, AW340703, BF339766, BE299597, BF316076, BG181159, BF314271, BE619906, BF978586, AW163077, AW183669, BG178708, AW157021, AI380328, BF317490, BF304399, AI050727, AI769139, AI028216, AI185353, AI653528, AI336379, AI918120, AI126643, AA873512, AI653521, BF030243, H94869, AI283420, AI290340, AI624902, D81975, AW969757, AA448990, AI250288, AW102845, BE620041, AA991216, AA483881, BE394518, AA513827, AA769225, N30390, AA449456, BG253724, AI016374, AI186317, BE396442, BE300433, AW072150, AW163682, AW161527, AI867296, BE742196, BE730561, BF312083, AI168843, BE893088, AA252039, BE384772, BF204301, AI357212, BF315466, BE904105, AA494498, BE389850, AW276958, BE382788, BF313271, H61331, AA434501, BE273885, BF182684, BE312799, BE259764, BE910676, AW770459, BE299086, BE277668, AA434403, BF308426, BF317362, AI582109, AI743413, AI341286, AI873023, AI499777, R24889, AI199286, R32446, R78249, BE544701, AL530204, H62365, BG025443, R23006, BE313915, BF666784, AI471403, BE383870, R22904, AI582656,

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HJPCQ19	1152	566853	1 - 888	15 - 902	BF309170, BF958962, AW887773, AW139448, and AB002339.
HJPDJ08	1153	561423	1 - 1030	15 - 1044	AL139809, and AL139809.
HJPDK61	1154	844034	1 - 1403	15 - 1417	AL523131, BG261097, BF340183, BF305691, BF035093, BF303873, AW196621, BF306489, BG121861, AI870592, BF311037, BE205899, BF315962, BF369701, AI418236, BE672680, BF304287, BG055835, BF431529, AA341046, AW139473, BF090415, BG104844, BF059456, AI632174, AI968214, AI970377, BF378475, BE261334, BF437294, AA302039, AW796541, AL523132, BE937882, BE746585, AW367194, AA835104, BF758565, AI990177, BE825241, BE019361, BE206717, AB029017, AL136108, AL136108, and AL136108.
HKABI53	1155	805966	1 - 1363	15 - 1377	BE617612, AI205950, AA902906, BE616962, BF027237, BG167503, BF026449, BE410128, BE218892, AA399382, BE274821, BG036349, BE799280, AW749568, AA148094, BE792699, BF589158, BF744105, AA631171, AI393835, AA148230, AI804445, AW801478, AI161117, AA947878, AA725241, AA515872, AI688507, AA777296, AA557454, BE219208, BF083428, AI917199, AA278773, AI971747, AA179905, BF590206, AW801735, AA179914, AA315840, AI810377, AA179904, C04799, AA179633, AA055854, BF881591, AA580316, BF248122, T96129, AA179913, AI802651, AA936700, AA644238, AA159015, AA659777, AA703106, BF131412,

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HKABN63	1156	566840	1 - 891	15 - 905	AL520953, AL520954, BE793958, BE315254, BE797471, BE794393, BE894674, BE799784, BE792314, BE562228, BF316745, BE793817, BE787675, BE799649, BE263969, AW082298, BE382325, BG236380, BE264300, BE646208, AA760767, AW250699, BE295932, BE251045, AA996052, AI991065, AW080669, AI803794, AW245264, AI608801, AW246835, AI261754, BF035953, AW247599, AA456365, AW451671, AA281418, AL524721, AL524720, and U27341.
HKACA25	1157	824087	1 - 1874	15 - 1888	BE615963, BG122342, BG250122, BE616412, BE280272, BG104754, BE735489, BF793087, AW935122, BF104812, AW517695, BE868608, BF846692, AI814771, BF334272, BE871740, AI922111, AW058407, AW390423, BG167258, AI924095, AI814767, AA451633, AW473537, AI034414, AA450228, R81277, AW838548, AW118978, AW275144, BF916432, BE091141, BF917148, AW044591, AW008093, AA780046, AI538779, AW593635, AA196824, AA877143, AW265498, AI619953, AI452814, AW512739, R79290, AI738813, N54909, AW516975, AA988666, BE927955, BE927881, AI660629, R74123, BE183948, BF811307, AA594510, AI146725, AI934085, AI217536, AI923135, AI261914, AI799264, AI928406, AI278896, AA642887, BE089587,

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HKACO64	1158	897591	1 - 1885	15 - 1899	W73821, AA706316, AI131566, BE348996, AI807653, AW001367, AI141167, AI243460, AA854719, W73855, AI161236, AW129599, AA156530, AW009909, AI144221, AI148339, BF433989, AI092860, AA740424, AI127118, AA846828, W95733, AI207836, AI150077, AW009219, BF055504, AI920791, W94659, BE208727, AI092290, AI160306, AI146274, AA480817, AI093208, W02504, AI884343, AI090543, AI659437, BE616501, AA683607, AA457707, W69100, W68306, AI201606, W92535, AA732945, AI968950, AA025788, AA723266, AI191440, W69381, AI040335, BF805696, W69101, AI140412, AI276343, AI288161, W68286, AW959706, AA559049, W95987, AI240970, AI217041, AA733131, AI311411, AI123650, W58747, BE315037, AA025948, AA369872, W35291, T84463, AA369873, AI914430, W94668, AA022504, AA897755, W95776, BG178550, AA369987, W25575, C00662, AW002963, BF037291, BE393000, W69380, AI915707, H45934, BE393846, BE562668, BE562709, AA777022, AD001502, AF086315, AL162430, and AC022517.
HKACP50	1159	828243	1 - 1973	15 - 1987	AW500702, AI803940, W19914, AA939035, AI168350, AL133716, AA256879, BF086224, AI376785, AA613433, AI589424, N91260, AA292100, AA292099, AI766258, H06234, R56153, AA255473, Z42829, R34911, R49303, AA995671, R56040, AA370356, Z38971, R35618, BE930200, AW891535, BF366171, AW190510, BF366181, AL117352, AL117352, AL117352, and AL117352.
HKACX90	1160	604042	1 - 892	15 - 906	BF684524, BF340318, BG107767, AA497123, BF681126, BE250611, BF673679, AI925369, BE778532, BE250414, AI193675, AA497045, BF516348, AA001314, AI125248, AW301040, AA039474, AW613821, AW630056, AA063616, AI306650, N91255, AW627576, AW515210, AW970517, BF109644, AA039475, AI991147, N92376, AI128891,

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HKADI27	1161	102817 7	1 - 4583	15 - 4597	BF968958, AI650349, BF970329, BG164727, BF338432, AW967584, BF666849, BF697067, AA877499, BG116958, BE971195, AU150627, BF700986, AA761166, AL120532, AI587307, AI079253, AI093091, AW673321, BF977388, AW875210, AI769686, AI050667, AA826264, AI278422, AI278417, BF093837, AI372945, AA250932, W15253, H80483, N49198, W39173, AA894448, AA251061, BF735793, AW591796, AU128326, Z21185, AA975408, BF735646, AA247168, AA313041, Z21307, AI743863, AA846588, AA360755, H81402, AI650555, AI823521, AW043656, BF744240, AV723231, BE006961, BF735690, AK022900, AF023657, AF116659, and AC002554.
HKADN26	1162	802131	1 - 544	15 - 558	AW081357, BF589250, F24949, AW001443, AI375519, BE221442, AW009695, AI077335, AI285080, BF000391, BE675465, AI660805, AI208242, AW338458, AI624248, BF589458, BF062309, AI744350, AI763399, AA405378, BF432343, AW170114, AI950910, AW002954, BE858739, AI797851, BE675484, AA505623, T15428, AW235203, BF589148, AA868544, AI886842, AW079986, AI423893, AI684385, AA252759, AA765154, AI356189, BG163340, AI167520, BG056031, F24114, T05643, AW024216, AW951994, BG056839, AI694884, AW083773, AI401013, AI476057, AA935825, AI219974, AW518766, AI283737, BF436421, BF935697, AL043421, BE328322, AW627599, AI863823, BG056535, AI857287, AI537225, AI214316, AW026733, R09706, AA932828, AI673345, AW468351, AI825807, BG033101, AW117756, AA742196, AI638362, BF516079, N25086, R71934, AA862151, AA578014, AI857279, AA302182, AW975618, AW966053, AV724520, AV718489, D80227, AV719188, AV699550, AW966013, AW960553, AW973485, AW966534, C14429, AW966062, AV720211, D80269, AV719468, AV718800, AV699927, AV723927, AW975621, D80166, D80195, AW966531, AW978634, AW966054, AW966041, C14331, D80193, AV719783, AW959570, AV720791, AW966050, AV720464, D58283, D59502, AW959597, AV718633, AW959628, AW949641, AV720203, D51799, D59927, AV720731, D51423, D59619, D80210, D80391, D80240, D80253, AV719822, AV718692, AW973307, AW959202, AV719324, AV718440, AV720028, AV722801, AW965177,

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HKADP79	1163	754688	1 - 1428	15 - 1442	AW969372, BE736971, N22751, BF529913,

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HKADT55	1164	668243	1 - 1214	15 - 1228	AL514547, BF313897, AW090296, BG118770, AW304430, AV701732, BE551200, AI741789, AA058685, AW020642, AI989848, BG110038, BF510769, AW473483, AA603449, C15271, AA427948, AA758708, AA040637, AI290013, BE740926, BE206649, T03758, N70866, AW406793, BG110580, BG027297, AA774692, BE742693, AV747082, AV747654, AI475639, AI092809, R80486, C15734, D51976, D51646, BF131202, AA428046, D51957, D51935, D51893, H09216, AI088948, D51577, BE928484, BE536200, D51983, D51661, C00071, BF208653, BE883130, D51789, AW235337, D81242, AV654035, AA677513, BF084187, AW075377, BF437318, BE928483, D52108, D52600, BF084273, AA813035, AA045514, AA332431, T34853, D81315, BF084305, BF084306, AA496874, BF913015, D54128, AI220701, T49388, BG249876, T49387, W06877, C14710, AA814794, D51690, D51645, D51966, BE645492, BF895966, BE177707, BE544980, AA219177, AA767758, AA095453, BG109364, BF913074, AA913240, AI539785, AI537252, AI474397, AL109827, AB018308, AK026963, AB015336, AL109827, AL109827, and AL109827.
HKA EK58	1165	695729	1 - 2227	15 - 2241	AL528126, AL536056, AL536055, BE890120, BF038862, BE549169, BF591002, AW379527, AW959711, AA526882, BF725033, AI491940, AI239822, BF440034, N20580, BE618852, AI263983, AA663798, AI080116, R61429, AA309011, AI811694, AA902625, AA046053, H23157, AI361914, AA622321, H64252, AA448036, AI421561, BF759956, AA526869, BE618365, AA359944, AA508633, H09004, D20772, AW661932, AA282272, N67184, AW952992, AV682348, AI598052, BE711914, AA282273, AA741056, AA904376, T86502, AA811240, AA345238, AW732176, H17050, AI061405, H64253, AA775859, BF592162, T80830, H09571, AA348131, H23158, R53226, AA046179, BE180903, H25064, AI478757, BE180901, BF943611, BE877837, H09750, N28971,

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HKA EK72	1166	840457	1 - 1563	15 - 1577	<p>BF974847, BF206274, BE260472, BF311508, AW071888, AI927723, BF311594, BG119668, AA430100, AI749184, T10378, AA760655, AV760560, AA659923, AI345256, BE252421, AI797998, BF725837, BE138594, AW502873, BF913232, AL042753, BE139267, AA493808,</p>

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HKAFJ47	1167	845521	1 - 2096	15 - 2110	AW964000, AW964015, BE895088, AI908407, AW299792, BF337020, AI770150, AW303438, AI202327, BF031353, BF338666, BF515209, AI659732, AI589089, AI094705, AI225153, D61794, AV656584, D62743, N36923, AA613805, D63061, AA329238, AA832304, AW131957, BF671034, AW265341, AW961446, AI141967, BF382842, AA879031, AA377165, D82713, AA170851, T27266, AI689686, AL514085, AL513597, AL514473, AL514087, AL514357, AL514691, AL513865, AL513979, AL513553, AL513999, BE966577, AL514657, AL513755, BF525392, AL513719, AL514543, AL514919, AL513977, AL513901, AL514093, BE886686, AI440238, AV681881, AW265461, AL514511, AL513631, AL513783, AI815239, AL514983, AL515191, BF726177, AL042416, AL514721, AL515195, AL514793, AI434240, AL514823, AI469764, AI955906, AI004911, AL513951, AW163464, AL513817, AI687424, AL514155, AL513743, AL514063, AL514359, BG163646, AL513907, AW023338, BF341270, AL514457, AI431323, AL515019, AL038986, AI623941, AL041016, AL515373, AL514469, AL514015, AI561177, AL514219, BF752276, BE886844, AL514791, AI581033, AI282249, AW151136, AI539771, BE897632, AI432644, AI537677, AI494201, BF812963, BG035653, AI804505, AI500659, AL042655,

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HKAFQ41	1168	847281	1 - 1811	15 - 1825	AL528838, AL528839, BE548486, BG167828, AW958767, BF573735, AI743850, BF509848, AL040903, AW958759, AI741433, AI671217, AA398861, AA715092, AA724538, AI222718, AI018483, AI469907, BE463847, AI073867, H56596, AI669101, N80407, AI338869, AA812951, AW469797, AA502547, AW970616, N34354, AI861857, AW299678, AW299936, AA126885, AA682237, AA872091, AW104557, AA127107, AI285255, AI208130, AI743464, AA435861, AI870834, AI208505, AI285243, AI018703, AW451768, H56597, AA383475, AI655259, D20154, R31318, N67985, AW337242, AI364770, H84355, AI073376, AA450347, R31577, H84354, AA599653, AI565302, BE707644, AI884611, AW956715, AI434922, N42853, AW571445, AA346677, AW827206, AL514511, BF970652, AI677824, AI927233, AI432644, AL515413, AI884318, BF811784, AI355008, BF812938, AI433157, AI702073, AL046595, BF812961, AI499570, AI633125, AI690748, AI538564, AW152182, BF811804, Z98446, AI698391, AW834282, AI579901, AW198090, AA580663, AL046466, AI571439, BF812960, AL037582, AL037602, AL514145, AI638644, BF965814, AW088628,

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HKAHH71	1169	846826	1 - 1335	15 - 1349	<p>BG117561, BE869073, BE890027, AW005986, BF000318, BG110476, BG036838, AW245705, AI493303, AI797699, AI343515, AA907641, BF726085, AI358212, AI769968, AI498949, AI090240, BF988836, BF726086, AA633382, BF445395, AW615111, BE166122, BE769138, AI392717, BF154888, AI675728, BE769137, BE856452, BF476043, D25986, AW802779, BE045182, BE047852, AV682222, AI334445, AI567582, AW303238, AW088899, AI254251, BF751288, BG249582, AI336506, AL110306, AI929108, AV682387, AI802240, AI537677, AL047675, AW051088, BG110241, BG001235, AW079572, N72726, BE968711, BF032768, BF343241, BF061283, BF925729, BF965877, AW673635, AW827106, AI536574, AL037521, BG110684, BG260037, BG033723, AV658585, AI613471, AI470674,</p>

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HKAJA95	1170	834557	1 - 1259	15 - 1273	<p>BE614614, BF790544, AA579630, AA582960, AI885325, AI936536, AI041202, AA224518, BE545847, AA524291, AA224554, AW089837, AA846846, BE613739, AI039992, BF037584, AI201511, AW572949, AI798847, AA582557, AI863290, AW387178,</p>

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HKAKU90	1171	838608	1 - 1454	15 - 1468	BG149842, BF947767, AI130886, AA694172, BG033451, BE747792, BF887342, BE699317, BF949022, BF029955, AW298317, BE710023, AA679033, BE621165, AA400484, BF112063, AA424748, AA827673, BG106653, AW401842, AA227686, AI678839, AW961085, AA308240, AI183772, R94739, AA054105, BE179929, AA491395, W05441, BE276868, AW084203, AW951939, AA564826, AA134217, T48604, BF741612, AW628711, BE207617, Z26330, AI688482, AA740451, AA565415, BF902196, AA489721, BE709814, BF902199, BF902751, H47271, AI240709, AA701930, AI761572, AI601251, AA863062, BF114666, AW362103, N99848, BF028522, BF742035, AW184012, AW630151, AA130334, BE292913, AI459807, AV661609, BE842369, BE842227, BE842455, AI149023, AI400444, BE280681, AI351192, AA877920, AI566232, T97264, N71068, BG163932, T97375, AW955463, AA929051, AI263353, AI348202, AA504778, AA720643, AU133398, AA316507, AI827090, BG035726, N88837, AI803578, AI829602, AI860418, AA757762, AA227545, AA336687, AW102820, AA733159, AA336787, AI275109, BF929012, Z44516, AI094183, AW016759, AI052265, AI078232, T69959, AA905612, AW072622, AI339320, BF810962, AW513082, AA489620, AA746040, AI187981, AI620619, BF038130, BE810295, AI917247, AI539144, AI287537, N70712, AA781864, AA480020, AA478973, AA776226, AA994311, AA704127, AA678716, AA424872, T15764, BF773011, AA069355, AW865818, BE842288, T69909, BE243980, BE646128, BF003107, AI963833, AF197954, AB018307, AK000329, AK000616, AX013061, and AC074091.
HKCSZ54	1172	600229	1 - 1162	15 - 1176	T05569, AC005815, AC005283, AC027612, AC005815, AC005815, AC005283, and AC005283.
HKFAA15	1173	753275	1 - 1765	15 - 1779	AL048274, BF691895, AV684171, AW068580, BF965602, AI955671, AI475476, BF037623, AA906056, BE892200, AV690707,

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HKFBB08	1174	826713	1 - 1459	15 - 1473	Z64907, Z57467, AF179296, AF179296, and

FOI b6 b7C b7D

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HKGAG59	1175	741051	1 - 765	15 - 779	AC001226, AC001226, AC001226, AC001226, AL359883, AL359883, and AL359257.
HKGAJ81	1176	581063	1 - 1318	15 - 1332	AA046906, AA157876, AA047057, AA017583, AA019793, BE244547, AI469089, AA177130, BE867712, AI816537, BE075868, AW162314, BF238351, BE207261, BE538259, AI469485, AV714931, AA633892, AW575808, BE541237, BE740358, AW265468, BF725436, AW162332, AA016123, AV683406, AV731938, AW327673, AU118837, AI254267, AW410844, BG180320, AW514844, AI791720, AI791408, AI355572, AW839858, BE882869, AW157128, AA425283, BG163541, AW328185, AL121039, AI702049, AI270280, AW023975, BG032943, BF853574, BE875478, H37968, AF034176, AW008217, AV712092, AW151848, BG059139, AW516250, AI572680, BF106218, AW850149, AI547110, AW148821, BF812696, AW069769, BF855492, BF869729, AA493546, BG027041, AU146789, N99245, AU130725, BF790866, BF880881, AV743869, AA661583, AI889177, AU122155, AA568303, AL527073, AW850985, BF736198, BE149844, AI815583, AA935827, AW662464, AI028148, AI819419, AW576388, AA765899, AW403177, AI872229, BG259634, AI753131, H86279, AI312614, BF846619, BF348325, AA640305, AA182928, AA504951, AI064968, BF853730, AA112864, AL445490, Z98949, AL008710, AC005039, AC002558, AC010789, AL033529, AC008041, AC004167, AC025594, AL121875, AL139109, AL138836, AC024947, AC005913, AL136137, AF223391, Z85986, AC005164, Z93930, AC005599, AC007384, AL031577, AC008273, AL121900, AC009244, AL355305, AC024082, AC004964, AC016602, AD000092, AL121601, AL445483, AL117337, AC005234, AF205588, AC006430, AC083866, AL008629, U91327, AC073148, AC005058, AL117348, AC008125, AL135901, AL157827, AC018644, AC012085, AC006023, AB017654, AC005274, AC006947, AC006515, AC007405, U62317, AL117258, AC006040, AL162430, AL109837, AC007098, AC007157, AL121932, AL158828, AL359272, AP001718, AL049873, AP000086, AP001713, AC004386, AC009362, AC004909, AP001694, AC008733, AC005703, AP001727, AC007540, AC016543, AB023049, AC007277, AC010223, Z99755, AL133454, AL109624, AC007436, AP000515, AC021037, AC004104, AL049636, AC009194, Z75889, AL121574, AC018764, AC004675,

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HKGAK45	1177	809093	1 - 2115	15 - 2129	AL079734, AV756491, AA449997, BE062476, AI049709, AW237905, AV760391, BE062478, AI887235, AV760389, AI380617, AI358712, BF868994, AA715814, AA515728, AI733856, AW976024, AI821931, BE138594, BF725761, AW969831, AW302315, AV763026, AV763058, AA013168, AV760508, AA019973, BF724626, AA706495, BF828714, AV762633, AV732057, BF879045, AW845366, AW963474, AW502873, AA410788, AW500029, AW243831, BF526964,

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HKGAP04	1178	846832	1 - 2318	15 - 2332	AL357566, and AL390957.
HKGAP57	1179	841627	1 - 1893	15 - 1907	BF058902, T90894, T83214, AW272815, AW177869, AL041375, AI355246, AW328331, AA846923, BE140949, BF673911, BG028665, AA493808, AI620992, AI791659, AA719564, AW591304, AW151247, AI285493, AV714931, AI915081, AU117145, AI859438, AA642809, BE328286, BF851016, AU150583, AV761486, AA558404, BG122782, AA469230, BG032943, AI801563, AV760579, AI801649, BF916862, AV759632, AL046519, AV762245, BF930145, BF529925, AA501807, AC011495, AF053356, AC068799, AL356748, AL109797, AC011811, AL022318, AC011477, AC025588, AC005815, AF168787, AL137012, AC018751, AC004134, AC009516, AL158823, AC004587, AC010527, AC006345, AC024561, U91318, AC005529, AL121989, AC002477, AC005527, AL109804, AC004841, Z83844, Z93015, Z99716, AL023494, AL034429, AC007371, M13792, AL162430, AC001231, Z99570, AL138478, AC004686, AF055066, Z84487, AC005696, AC011473, AC020948, AC010618, AL139109, AL136172, AF001549, Z97054, AC009086, AF001550, AC005581, AL162272, AC005158, AC006211, AP001719, AC005690, AL008582, AC010521, AC010512, Z95152, AC003007, AL157827, AL049830, AP000355, AL121601, AL079303, AL049694, Z97053, AC008738, Z98747, AC012309, AC022148, AL353748,

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HKGAW41	1180	858745	1 - 1625	15 - 1639	AL042373, AW968338, AA297145, AV721136, AV723445, AW502796, BG059314, BE138594, AI199816, H91062, AI253376, AI446623, AW021917, AA704393, AW503420, AA828054, AA468956, AI358384, BE672637, BF725884, AL046409, AW995323, R44593, AW975626, AI620666, AW572721, AI963720, AW410354, AA610491, AW500684, AI755214, AW864359, AI284045, H73550, AI821931, AI754567, BE675681, AA916177, AI094787, AA084609, AI754105, AW576251, AA629412, AI687343, AI753488, AW069769,

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HKGBA21	1181	822870	1 - 1844	15 - 1858	AI911051, AA907281, AL163204, AP001465, AL163203, AL391666, AC020549, AC008929, AC017089, AL109752, AL354872, AC009492, AL137222, AL117375, AC008433, AP001669, AC009238, AL441964, AC002980, AC006213, AL132668, AC004075, AC002412, AP000457, AL133319, AC010905, AL133409, AC007717, AL022166, AL139812, AC007655, AC024454, AC024454, AC027471, AC027471, AC027471, AC011881, and AC011881.
HKGBC33	1182	823368	1 - 1022	15 - 1036	AL079734, AL042373, AV756491, BF725844, AA515728, AI609972, AW973992, AV710214, AW504485, BF868994, T74524, BE138594, AV762633, AW023111, AI962030, AA829036, AW189113, BE252421, AI369580, AI061313, AI755057, AI282253, AW500684, AA535216, AV758790, AA502991, AV759149, BE139267, AL037714, AW468009, AI755214, AA613627, AW026305, AW819125, AI421950, AI300054, AW963444, AW328331, BF854308, AI754105, AV760508, AI114557, AV759632, AI754567, AI612142, AV755654, AW237905, AI675615, AW069227, BE139358, AA706495, AW970940, AA515048, BF828714, AV738383, AW969743, AV760391, AW805539, BE062478, AW021917, AI923052, H07953, BF526964, F23264, AV763026, AV763058, AV710482, AA578621, BF805088, BF854244, BF725761, BE063437, W96522, BF811714, AW500029, AW835445, AW576251, AW963463, BF923365, BE151208, AI361090, AI890481, AW969941, BE327876, AI635440, AI583252, AV764259, BF337320, AW504224, AV702109, AV760389, AW816516, AA410788, AI358712, BE062159, AA630854, AW505253, AA191418, BE154781, AA013168, AA746911, AI799607, AI891080, H73561, AA284247, AA524616, BE062476, BF724838, AI040051, AW963663, AW970967, AI792575, R99034, AW020150,

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HKGBC73	1183	608169	1 - 835	15 - 849	AI285998, AI271766, AI271985, AA805795, AI174489, AA805423, AA641400, T63030, AA411590, AA084230, F02342, AA320941, AA515929, AA010973, AA586433, AA569448, N71579, AV710822, D51809, AI905588, AA292386, AA480849, AA954942, AA479575, AI299938, AA729004, BE386541, BF847612, BF726693, AA745302, AI884861, AA668166, AA636102, AA828153, AA678616, AA077619, AA610381, AA745373, AA504529, AW073498, AI929410, AI753672, N22153, AI750950, BF853968, AA454491, W31736, AW501411, AU155161, AA634926, T07327, BG034302, AA078255, T03928, AA468099, T40550, BG009094, AV761011, BF037387, AA654778, AA348602, AA527963, AA655037, AA340153, AA854046, AI859906, AA402282, BE883957, AI358542, AA730359, AA355128, AA654464, W39287, BG222891, W60522, AA664248, AA445951, W25020, AA427808, AI049701, BF769476, BG165396, AI143653, H71012, AA729037, T08386, AF305941, X02883, AC002375, AC078889, AC006487, AP001718, AL121900, Z16571, AC019050, AC009318, AF250324, AF205210, AL022313, AC020923, AC007282, AC002544, AL034430, AC004755, AC011331, AC004079, Z98742, AL096712, AC004129, AL135978, Z83819, AC004836, AL118516, AL050332, AC004929, AL033520, AP000288, AP000109, AP000041, AC002465, AB020863, AP001715, AJ246003, AC005546, AP000300, AP001717, AP000045, AP000113, AL353193, AC006950, AC005372, AC007193, AC018686, AC004971, AC006441, AC011527, AC006543, AC011462, AC007679, Z82190, AC073184, AL159972, AC020893, X69951, AC007199, AP000043, AP000111, U91326, A67424, AC005784, AC007421, AC011508, AL034402, AL133499, AC007226, U02052, AL035633, AC009248, U55184, AL031278, AC011524, AC020954, AL121899, AL008725, AL390037, AL049612, AC006396, AC007029, AL031659, AL031666, AC006452, AC002045, AC016644, AC009953, AC002352, AL033527,

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HKGBF61	1184	658697	1 - 1745	15 - 1759	AV699423, AV700654, AV760760, AV762220, BF673854, BF346320, BF527620, AL043745, AV759172, AV720045, AV760599, AA595661, AL037632, BE152006, BF530611, AU117926, AI732720, BG058664, AI374809, AW166996, AI887468, AW419201, AV737323, AI572680, AI040051, AA601674, AI819419, AI039809, AC006210, AC006345, AC004448, AL031311, AL138733, AC009311, AL079342, AL034429, AC006254, AC005874, AF134471, AL121899, AC024085, AC009242, AC008372, AC003670, AC009408, AL080314, AL049829, AC008083, AL353748, AC008040, AL135841, AL096700, Z97054, AF117829, AL359457, AL163282, AL031281, AP000432, AL035662, AC007880, AF152363, AL117258, AC004167, AC011811, Z93017, AC016025, AC027644, AL136137, AC004998, AL121712, AC005670, AL161731, AP001670, AF111168, AC007637, AF196779, AP000692, AC005519, AF042091,

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HKGBH54	1185	588482	1 - 2206	15 - 2220	and Z98742. AW265103, R81017, AA720732, AV733538, T67090, AL035409, AC002115, AL022721, AL157372, AC008569, AL022320, AC011455, AC021999, AC020754, AC006270, AP000555, AC008155, AL033528, AC009408, AC005280, AC025593, AC004686, AF111168, AC016751, AC002395, AL358133, AC005901, AC011895, AC009307, L77570, AC005484, AC006501, AP001725, AC011451, AC011450, AC006483, AL133548, AC006130, AP001712, AC018758, AC003663, AC021019, AC007405, AC006430, AL035703, AC021016, AC005800, AC020728, AC007383, AC005702, AC006312, AL138756, AL031680, AC004805, AC005015, AL035408, AP000692, U91323, AC005522, AC002375, AF047825, AL034380, AC008482, AC010463, AL031279, AC022336, AC004491, AF254983, AC002430, AF207550, AC007011, AC008521, U95739, AL031984, AL096702, AL035071, AL133211, AC004890, U95740, AL163201, AL035658, AJ251973, AP001710, AC006449, AC003689, AL133232, AL109823, AF030453, AL136231, AC005261, AC008264, AL138878, AL050204, AC011811, and AC002350.
HKGBP52	1186	899282	1 - 2688	15 - 2702	BG032060, BG169228, BF685583, BF685315, BF115828, BF685892, AW058657, AA400627, AI692280, AW614231, AI342528, AI743405, BE645128, AA400382, AI675621, AI808100, BF339201, AI688291, AI340200, AI701582, BE549260, AW135173, BG055369, AI813453, AA393033, AI343951, AI299820, T03738, N24268, BG055273, H98701, AI040531, H54669, R56558, AI830628, AW511818, H01460, C16675, BE702083, AA707616, AI146912, H00353, H01555, BG055370, BF109119, R21829, BF725844, AI755214, AI754567, AW500684, AW576251, AI754105, R56559, AA535216, BF725884, AI249688, AW969667, AI080307, AL135377, AW131356, AV756220, AI038304, R21894, AW103406, AI569100, AI858691, AI583142, BG054730, AW192599, AI077941, AA704393, BE207720, AA602906, H00307, AA491767, BG113782, AV760469, AW970896, BG112362, AW897556, AA719073, AV762633, AA659832, AI884383, AV758870, AW270385, AI061313, BF805088, AI679002, AW270255, AI590458, AV762354, AI679759, AI926728, AW069227, AA176978, AI732502, AI791458, AW904850, AW574899, BF909764, BE672637, AI754336, AI590580, AI590499, AI499376, AW022934, BF675251, AI753113, AW277253, AW963444, BE704103, AV760391, BE142612, AW438856, AA584765,

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HKGCE23	1187	564825	1 - 1771	15 - 1785	AL529783, BF433689, BE549737, AI692589, AL043071, AW182413, AW183848, AA347409, AW970888, AW044251, AA767779, AI025186, AA347718, AW268423, AW137634, BF804681, AA909685, AA502700, T03927, AW877209, AL119457, AL119324, AL119319, AL119399, AL042544, AW861944, AW804686, AW392670, BE695785, AW604723, AL119483, AL134538, AW858526, AW858525, Z99396, AW372827, BF868687, BE705903, BE705906, AW577135, AW363220, AL119443, AW384394, AW861889, U46341, AW858455, AL119355, AL119363, BF868697, BF868684, BE705905, AL134920, U46349, AL119484, AL119391, AL119497, AL119335, AW604726, AL043029, U46351, AL119341, AW861954, U46345, AL042965, AL043019, U46350, U46347, AL119418, BE705904, AL119444, AL119522, AL134531, AW971745, AL042614, AL037205, AL119439, U46346, AL119496, AL119396, AL042984, AL134086, AL042433, AL042975, AL043011, AL134533, AL119464, AL042450, AX046357, AR060234, AR066494, A81671, AX030435, AJ279014, AJ251859, AB026436, AR054110, and AR069079.
HKGCE62	1188	638200	1 - 1148	15 - 1162	AA515723, AI914747, BF940118, BF944269, AC021016, AC010412, AC004965, AC005523, AC018719, AC011475, AC005348, AL022336, AP001718, Z93241, AC009086, AF165926, AC005231, AC020904, AC006312, AL133387, AC005300, AL031280, AC005052, AL031053, AC004686, AL031276, AC027319, AC005746, AC027644, AP001717, AC003043, AF053356, U91321, AL355392, AC024561, AL050349, AC073593, AL132653, AC010422, AL121890, AC011464, AL139388, Z83822, AC006483, AL121920, AC084732, Z93023, AC006337, AC004963, AC008753, AC011465, AC005243, AL445669, AC008569, Z74739, AL159168, AC011442, AD001527, AL035681, AC002310, AF196969, AL133500, AC005081, AC003101, AL021155, AL163300, AC019227, U95742, AL031407, AC011479, AL021394, AC009470, AC005726, AC004846, AC004526, AL162390, AC006449, AC008556, AC004813, AC005488, AC004089, AL136529, AL020995,

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HKGCK41	1189	559327	1 - 1010	15 - 1024	AL525116, BG109063, BE709672, AW373185, AI459736, AA480024, AI217142, AA478975, N57067, AW593025, AA367747, AI817249, AA249621, AW192883, R59545, W92478, BF791061, R20056, H42211, AI031745, AW298639, R14167, AA488265, AA670371, AW025320, BF838532, BF326624, BE825848, AI869463, AK024811, AJ272205, AC008012, and AC005832.
HKGCK41	1190	795256	1 - 2177	15 - 2191	AL525116, BG109063, BE709672, AV722959, AA193335, AI817249, BG118607, AA488265, AI459736, BE960792, AW373185, AA082756, AA233113, AA480024, AI217142, AA478975, AW298639, N57067, AW192883, AW593025, AW838091, AW838081, AA367747, AA670371, H96527, AA249621, R59545, W92478, BF791061, W32552, H73023, R20056, R72541, H42077, AW025320, AA195524, AW838264, H42211, AW860876, R86051, AI031745, R72453, T98404, T82023, R14167, R19452, BE825848, R12263, AA101653, W24839, R27034, AA215589, T71946, BF838532, AW838143, BE164029, BF326624, BE713037, BE713036, BE712886, BE713005, BE712918, BE712966, BE712844, BE713034, BE712846, BE712887, BE712845, BE712890, BE712848, BE825852, AA195410, AI869463, H42036, BE712883, AA243849, AC008012, AK024811, AJ272205, and AC005832.
HKGCN96	1191	833981	1 - 1089	15 - 1103	AC007338, AC007338, and AC007338.
HKG CX05	1192	590150	1 - 1644	15 - 1658	BE676731, AA157453, AI738793, BF741051, AW853709, AL049875, Z72519, AF001905, AL139023, AC011294, AL031965, AC005018, AL022310, AL137011,

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HKGDA95	1193	581064	1 - 1153	15 - 1167	AL525783, AL520153, AL529535, BE739894, AL523309, AL520154, BE740768, BF972763, BE614771, BF967926, BF026143, AL529534, BE383749, BF310145, AI075733, BF310187, BE868388, AL524814, BF108707, AL523308, BE902443, BE274793, BE735799, BE297778, BF967203, BF316852, BE514855, BE271432, BE297892, AA843735, BF973241, BE390241, BE899458, BE898677, AW043687, BE886199, BE389614, BF304821, AW673741, BF310586, AA872909, BE270668, AI952129, BE515168, AI378828, AI633556, AI828349, AA993208, AI808841, AI222846, AI742865, AI274300, AI560935, BF972982, BF589211, BE314143, BF663713, BE614829, AW027239, BF310096, BE542949, AA971527, AA886891, AL524813, AA826782, BE439433, AI867984, AW958706, AI088344, AI581330, AI091252, AI802872, AA312850, AA806593, AI378403, AI088397, AW958702, BG256396, N26739, AI093241, AW168347, AI493751, N30767, BF972654, AI073367, W81181, AI312593, BE871559, W81182, AA583756, AA513371, BF945259, AI077686, W92192, AA512955, AW204497, N52367, AI827954, AI201669, BE543943, W40464, AA279705, AA879111, N35408, AI368131, H29972, BF475952, W19255, AI982966, AA235341, AI190623, BE836293, BE715774, W94889, BE836291, BF437299, BE715860, R56670, AI014795, N34625, AI498758, AI201409, AA970301, AI265841, AW954771, AI864519, H02194, BE715849, BE396071, H02193, BE715851, AI700378, AA279811, BE715807, AA594444, AI400047, BE836366, AI422154, AA040752, BF354400, N75138, BE836205, AA303626, BE836286, AI457546, BF917034, AA041206, AA725154, AI580300, AW518424, BE704211, AI335262, N54753, BG104361, W19448, BF026451, BE770336, AA987570, BF956799, BF027497, BF768309, BE391167, N93962, AA309595, BE840991, R56832, AI581964, BE393904, W01804, BF956896, AW581279, AW351999, AI305280, AW351578, F15620, AA627500, AI310165, AW953608, AI470099, AI087848, BF111822, BF112045, AA476759, AW673106, D11794, AA054835, T34337, AI937587, AI245090, AA337352, AI056321, AI655445, AI148013, AI142301, F27590, AI719201, BE841094, AI970302, AA813472, W05033, AA476762, BE894700, AI969965, N74662, AI032382, BF800278, AL133215, Z60756, Z60755,

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HKGDO12	1194	857225	1 - 1657	15 - 1671	AW970020, AW968148, AL134524, AW969698, AW968200, AV763449, AW970896, AV711430, AW968147, AW974932, AV763401, AV761279, AV762741, AV760777, AV759557, AV763275, AV761412, AV762505, AW969988, AV761843, AV761714, AV762092, AV762098, AW979295, AW972919, AW979080, AV761904, AV761362, AV734997, AV762633, AW972876, AV728425, AW973821, AV761613, AW968205, AV761489, AV760057, AV762397, AW964231, AV711465, AV760745, AV761104, AV759191, AV761862, AW979093, AV763670, AV764230, AV762242, AW973397, AV760714, AV759437, AW969743, AV764314, AV729813, AV762064, AV763058, AV761106, AW976010, AW974109, AV759293, AV722143, AW974363, AV734859, AV764187, AW971243, AV761022, AV764051, AW972902, AV763417, AW970108, AW971342, AW975410, AW979269, AW962942, AV764102, AV762535, AW975049, AV760042, AW976024, AV759505, AV759660, AW975217, AW979076, AV734853, AV761547, AV759559, AW979253, AV764255, AW973789, AW975169, AV702857, AV761653, AW973992, AW975043, AV763457, AV761273, AW961593, AW975626, AW975941, AV759149, AW955841, AV764211, AV763419, AW979058, AW975164, AW971150, AV755512, AW970915, AW975266, AW979070, AW968212, AW968188, AV763298, AV762706, AV760724, AV763563, AW979087, AV760371, AV761810, AV759185, AV762351, AV760039, AV707794, AV760106, AW970856, AV763847, AV763026, AV764578, AW975679, AI475582, AV759967, AW973777, AW969801, AV735132, AV725431, AW974399, AW979239, AW956640, AV763558, AV759329, AW974639, AW973819, AV755677, AW972769, AV713243, AW979204, AW972312, AV761941, AW979206, AW971054, AW979191, AV764235, AW975937, AW970984, AV760486, AV710119, AV759717, AW972879, AW971320, AW974393, AW969798, AV759507, AV760721, AV760725, AV759295, AV733830, AV759199, AV762589, AV725423, AV763178, AV732891, AV762973, AV764362, AW975363,

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HKIME53	1195	636982	1 - 492	15 - 506	AW027692, BE905499, BE906058, AI066792, AI674075, W73135, AI126174, AA687840, AA806473, AI131085, AI080064, AI798216, AA651704, W93683, AA652620, AA938305, AI673640, R51338, BG171024, BF437388, R01699, W72893, AA814727, AW874617, BF435545, BG055686, AW304419, R59377, BF941749, AW474081, F08949, W73115, AA670391, BF975915, BF975640, AA809829, T30370, T19610, F09511, AW016848, W76098, AI918136, BF804668, AI380671, T19611, BG166271, AW958005, R40528, BF217305, AV701813, AB028173, AC074189, and AC074189.
HKIMG23	1196	738671	1 - 1707	15 - 1721	AL529883, AL529884, BE795652, BE409595, BE740635, BE730445, BF688988, BE740507, BE728416, BF688597, BG032869, BE409750, BF037105, AW954292, BE279702, AA564207, BE729294, AI769429, BE548288, AI991960, AA496146, AI949957, AA856616, BF311418, AI631898, AI016438, BE348373, BG111742, AA496147, AI928100, AI800196, BG169475, AA031739, AI393302, AW271785, AW675512, AI033781, AA031843, AI738460, AI401186, AW195223, AA029785, BE502500, AA429259, BE500944, BE208677, AI861778, AW672835, AW183075, AW665505, AA831625, BE018547, AI589798, BE729628, AW242857,

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HKIXB73	1197	823043	1 - 1980	15 - 1994	AI311548, and AW002245.
HKIXD68	1198	840458	1 - 429	15 - 443	AI341138, AU155427, AA772603, AU146779, AU150035, AI274224, AW602197, BF897041, AA205460, R15444, BF831039, AW610349, AW962003, BF355804, D60296, BE041663, D60795, AK022820, AC022732, and AC022732.
HKIXR91	1199	590989	1 - 1546	15 - 1560	BE795166, BE744215, BE273688, BE273403, AW245889, BE872631, AW245631, AI056337, BE868054, BE273661, AW953813, BE939208, BE264242, AA305944, AI494538, BE676067, BE858379, BE336908, BF514526, BF802886, R37662, AW996647, AA195139, BF195186, AA946712, F26367, AA563941, BF760929, AA195288, BF763629, AA826333, BE294320, AA480685, BF761832, BF002442, T03732, H25825, AI833314, H23231, AA196654, AI566930, BF306931, AA962629, AI886960, AI659737, AV683897, BE312867, BE351010, BF762676, BF925402, AA587570, H63283, T23741, BG056976, AA587546, AI871873, AA627562, AW768872, AI589407, BE348954, BE544018, BF760372, AW887436, AW663296, AW841218, N47375, BE814372, AA364405, AI867532, AI659036, AI676007, BF126064, N94891, BE939296, AI633213, BE313318, BE928622, AW934839, F18188, BF032010, N63583, AI978802, N56991, AA465565, BF037600, BF734299, AI858496, BF315669, BE267034, AW873657, AI811874, AA196535, AA969445, AA465211,

					BE173888, Z41159, AA627390, BE938346, BE312639, BF304812, BF309379, AW058325, BE075879, BF317021, BF203661, Z63603, AC048338, and AC048338.
HKIXS19	1200	654849	1 - 449	15 - 463	AI337203, AA814575, AL522556, AI422200, AI359675, AW087189, AA063168, AA770427, AW072669, AA912814, BF341861, AI249369, BE699227, AL530672, AW183275, AA186615, F02654, T16185, AI698693, AA907053, R51364, AV704759, AA454215, AA620790, AI350291, AI922348, AI205185, H10215, AI922353, AA805107, AI865339, AA993885, AW274984, T16338, AA136300, R59214, F10923, AA454214, H39664, AA424431, AI240102, H30427, AV727409, T17109, AW117326, BF966669, W26124, AI267605, AI267603, W27941, AL534858, AV730481, BG054602, AA424329, AV727697, AI216709, AI927448, AA716227, BG149989, Z40384, R54339, R56610, T34886, R42193, AV724216, AV728574, H06885, BE936040, AI420575, AA188258, AI652897, AA349108, BF447421, R55713, BE936028, BF090179, AA365771, W26346, AI364064, W22461, AA091068, AW382930, AI091499, AF007138, and AB033006.
HKIXW45	1201	704089	1 - 463	15 - 477	AI754734, AI127499, BG255479, AA022594, W84332, W19280, AI144518, AI937122, AW055211, BF438660, BE046366, BG255378, AI016647, AI589828, AA022593, AI056109, AW067972, AI880249, AA706365, AW005744, BG231854, N45195, BE858043, AA156559, AW024893, AA206014, AA283758, AW162858, AA725095, AI570415, N57760, AI554383, AA149804, BF432435, AI146910, N32509, AI721027, AW007240, W61376, AW148706, AI298160, AA575859, AV722275, AA149829, AI298295, AI150754, N33262, N20087, AW296742, AW055306, AI201397, AI299403, AA808234, AV721799, AI066413, AA460542, AA928667, AA173662, AI740865, AI214573, AI221444, AW778768, AA658502, AW044003, AI367130, AI039652, AI222181, AI421340, W19930, AI304779, AI745289, AI633411, AW008870, AI191260, AI350505, T70584, H28706, AA069393, H09643, AA152459, AA812685, AA902179, BG030190, AI344728, W61190, H07124, AA173661, H04306, W61142, N59101, R92010, W37711, AA102392, AI913789, R78497, BF085714, AW511937, AA866075, R80143, AA285041, N64423, N99375, AI619699, AI201193, H65658, AA758745, AA904000, AA609961, AA112673, R74477, R39200, T17460, AA879058, T17267, R26742, AI167335, Z40913, W32153, AA112674, AA135336, H00643, N66868, F03355, R09261, T65436, T35183, W31475, R09950, R80142, T96365,

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HKIYU90	1202	772546	1 - 673	15 - 687	AW276740, F25504, BF570407, AI371673, AI681618, BE670682, F19033, F22827, AA987705, AA830994, H14212, BF223460, BG055462, R88443, AI982817, R88499, AW051235, AW188943, AI564247, AI439717, AI566670, BG058398, AW071417, AI680388, AI590227, AI758437, BG110684, AI538218, AL040243, AI869367, AW243820, BG168696, AI784252, AL047763, AW274192, AA225339, AW262565, AW301505, BG180034, AV682229, AI539808, AL047042, BG030837, AL036361, BF793308, AL039276, AI572676, BF727091, AI250663, AI440239, AW081036, AI446684, BF680465, AI284131, BF793244, BG163618, AI689379, AI624084, AL079963, BF343172, BG111846, AW806761, AI648509, AI349772, AW673679, AI348897, AL119748, BG222103, AI270707, AV682289, AI362637, BG260037, AI802542, AI433976, AI862144, AA508692, AI269862, BF527014, AI269205,

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HKMLB81	1203	610017	1 - 1863	15 - 1877	<p>AL137017, AL159169, AL159169, AL137017, and AL137017.</p>
HKMLF77	1204	604743	1 - 768	15 - 782	<p>AI475870, AA410788, AU147162, AA228778, BF944736, AA176604, BF942976, AV763026, AV763058, BG250286, H95769, AL135377, AI056177, AL079734, AI696955, BF832074, AW500029, AW504168, AW970571,</p>

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HKMLM32	1205	826523	1 - 989	15 - 1003	AI254961, AW973722, AA482786, BF448131, AA514985, AA708031, AW408709, AA708240, AA683063, AL042425, BE139297, AW451137, AA484824, AI583425, AL138740, AC011462, AC007784, AC006160, AC003046, AL162424, AL137520, AC004991, Z82097, AL008635, AL109758, AK027223, AP000248, AL031178, AL022476, AF001548, AC005740, AP000128, AP000206, AL357774, AL132639, AC012384, AP000245, Z82243, AL157791, AC083866, AC008687, AP001709, AL138743, AC006512, Z69666, U47924, AC087088, AL033378, AC026132, and AC026132.
HKMLR17	1206	847432	1 - 1678	15 - 1692	AL523876, BG055198, AI741776, AI937181, AL523875, BE898631, BF475706, BE747357, BE046410, AL521913, AA142834, BF114775, AA115742, AA449297, W07748, AI185171, AI189560, AV750720, AA044208, AI127627, AA133448, AI093329, AA099349, AI266553, AA040461, W74689, N80688, BE973723, AI052641, AI969190, AA101880, AA745759, AA043947, W74787, AA057190, BF906482, AA678275, AI800774, T79148, AA040462, BF906446, AA705309, AI277738, T49144, R05522, AI611334, AI122879, AA862428, T79229, T49145, C02622, R05630, AA046501, AA449557, AA426483, D78874, AA045459, AA057125, AA035598, BG011545, AI057255, AI271978, and AF098269.
HKMLT89	1207	826167	1 - 1260	15 - 1274	AA411083, AA250776, BF956954, AI610892, AA834686, AW975383, H81732, AW237905, BE973547, AI890862, AI124558, AW023111, T05617, AA284247, AI361090, H71659,

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HKMLV05	1208	663924	1 - 1587	15 - 1601	<p>BE789574, BE644974, AI797147, AI338650, AW515799, BF509498, BE218468, AA780705, AI797387, BF439140, AV721626, BF196941, AA164216, AA164215, AI814047, AA663085, AW449297, AI343960, BF928841, AA748022, AI203523, BF591680, AW021674, AV763460, AW502688, BF438961, AA557945, AI251024, AV758849, AU146789, AW023975, AW275432, BE139230, AI572680, BF812696, AI174703, AI732327, AI826857, AI344906, AI318548, AA313025, AI254267, AA640305, AW410409, AW327673, AV712092, AA584360, AL042667, AL042670, AI252005, AI254463, AW975150, BE391183, AI797998, AI444575, AW504667, AV741384, AI732690, AV728973, AA631915, AW501278, AW575808, AI567676, AV729090, AA526542, AA493546, AI114755, AI921744, BE677164, AA199578, AW963552, BE080768, BE045167, BF725436,</p>

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HKMLV25	1209	695731	1 - 752	15 - 766	BF525338, AA573785, AI421829, AV657500, BE439672, AW860522, AW602040, AI815098, AI444641, AI889106, AW082282, AW602036, AW151910, AI688082, AI935867, AW251068, AA974182, AF063527, BF803392, AV682818, AI342309, AI660665, AA865622, AI336447, AI469758, AI636809, AA903732, AI301940, AI559518, AW869448, AI625318, AI216199, AI336445, AI476296, AV652658, AW571542, AI272699, AW939116, BF815382, AI832439, AW939111, AI908555, AW079674, AW276067, AV693996, AI290972, BF433428, H41084, AI659188, BF342450, AI865986, AV657785, AV654089, R76336, AI914585,

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HKMMB79	1210	746871	1 - 3223	15 - 3237	AW963614, BG027094, BG110547, BG171898, AU136041, BF526604, BF978411, BG030751, BF344951, BE879367, BG251262, BF115181, BG110240, BF244967, BF112229,

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HKMMC69	1211	852206	1 - 2056	15 - 2070	AI802475, BF197823, N80331, AC018983, AC018983, AC022902, AC022902, and AC022902.
HKMMD91	1212	847394	1 - 1245	15 - 1259	AL519982, BF967372, BF980780, BF665670, BF700126, AW960010, AV705805, AW242930, BF701222, AW243054, BF698599, BF698090, AI765238, BF792179, AI884480, BF665302, AL523974, BF680453, AU128983, BF700291, BF244116, AW264527, BE673812, AI962980, AU151187, AI740875, AL523973, AI962753, AI184691, AI125643, BF670196, N21602, AA995357, AA043296, D59661, R64612, AA902999, AI699654, AA555070, AA279915, AI358374, T65609, N28835, W47016, AI338065, N48802, H99880, AA731502, BF665033, AI681856, N52948, T65543, F09519, T82279, H88842, W47017, AI200973, H97964, AA506271, F11871, T76995, T77162, D62868, D61850, T83570, AW381572, BF360893, AI016351, AI419553, H88841, BE833660, F13800, AA366080, AA043295, AA319227, AA894588,

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HKMMP90	1213	746876	1 - 1891	15 - 1905	BE886059, BF795964, BF756613, BF989947, W27908, AA490782, BE463794, and AC010369.
HKMMU76	1214	690789	1 - 1133	15 - 1147	BG111695, BF974049, AA007674, AW291499, AI765032, AW365802, AI023777, AA496961, AI190786, AI005224, AW957324, AI366034, AI474022, AI650413, AW769465, AW070944, AA004791, AI302622, AI091410, BE818996, AA353032, H80268, AA609615, H80364, H84059, BE048193, N99355, AA747260, R50699, R50698, BE796047, AI863345, AW875786, AA777448, AW608755, AW365819, AW365778, AL161903, AL161903, AL161903, AL161906, AL161906, and AL161906.
HKPAC10	1215	527238	1 - 984	15 - 998	AW950748, BE062476, AV756491, AI122618, AA558814, AU147851, AA878404, AI732171, AC027279, AC009145, AL079342, Z99716, AC004875, AL109623, AL109976, AF001549, AC004965, AF111168, AC004447, AC011479, AC004253, AL079335, AL118520, AL133353, AC004883, AC002126, AC005052, AL121585, AL121983, AC010150, AC005568, U91323, AL359763, AP000106, AP000038, AC002425, AC008745, AC004526, AL020993, AC007386, AC004990, AL135902, AL133215, AL121928, AL031055, AC003101, AC004876, AL163301, AL161659, AC018738, AC007685, AL034548, AC002300, AC005529, AC020663, U52111, AL109963, Z98200, AC003071, AP000558, AL096791, AP001695, AC006057, AL353574, AC007919, AC020552, AL136979, AC006571, AC024561, AC006483, AC010412, L78810, AC005015, AC006343, AL031685, AL358777, AL050335, AC024075, AC007899, AC005837, AL138725, AC006160, AP001710, AC003982, AL137129, AL356299, AP001052, AC020904, AF196969, AC027644, AL365505, AL137787, AC002288, AL035659, AC020916, AC068799, AP001717, AL022315, AC005098, AC004695, AL121753, AC005598, AC006064, AC019187, AP001727, AP001754, Z95152, AL133517, AC073593, AP001745, AC037193, Z95116, AC009516, AL138836, Z98304, AL117382, AL121656, AC009079, AL136137, AP000547, AC009145, AC009145, and AC027279.
HKPAC50	1216	830367	1 - 796	15 - 810	BF244629, AV707962, AV725180, AV705590, AW160372, AI815866, BG257546, BF692362, BF217588,

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HKPMA08	1217	608164	1 - 422	15 - 436	AI129638, AV726553, AI570453, AI073388, AW615396, AW204261, AA197209, AI808396, AI362893, BG054605, AV696183, AA055487, AA731430, AA478478, AA417353, AA393534, BE880663, BG222422, AA151305, AW977196, AW137770, AI419484, AI702797, BF924275, AA815067, AA197259, AV696359, BF813196, AI611728, AC004084, AK000690, AC004951, AC004951, AC004951, AC004084, AC004084, and AC004084.
HKTAC18	1218	831292	1 - 3700	15 - 3714	AU118585, BE875298, AV682483, BE708209, AW965424, BF031382, AA908770, AW194236, AA863229, AA292918, AI140754, BF130541, AI921186, AW188519, BG149424, AA878230, AI828605, AW975392, AW875556, AI949757, AI803722, AV749448, AW474515, AI014812, AW474470, AI373797, AU158313, AA526126, AA809213, AW273542, AV715119, AW191931, N62972, AI914731, N50836, AI784523, AA935043, AV681975, W04335, AA741240, N79876, AA814785, AW876605, AI000955, AI096936, AA767593, AA827102, AW876602, AW023275, AI014777, AA480539, BE007133, BF961785, AV659835, BG026599, AI358045, BF367902, AW340779, AW379327, AA280431, AW393163, R88194, AV749193, AW516924, F17499, AI095334, AW972832, AA527642, BE765701, AA334408, AA745802, W03745, AA252969, AI241826, W03727, R33831, AA745278, BE173119, R75838, N73949, AI361182, AV749201, N55158, AA096078, R75839, R33832, BE007129, N74169,

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HLISA89	1219	839594	1 - 1249	15 - 1263	AL521600, AL525090, BE262804, BE547136, BG107661, BE789160, AW958304, AV721099, AL522503, AL523439, AL521601, BG106455, AL521748, BE262574, AI207733, AA804346, AA988388, AW675646, AA459645, BF229670, AA496480, BE258795, BF154643, BE931600, BG033992, AI859379, BE512994, AA421679, AI499839, AI888905, AI300329, N38981, AI859165, AA582916, AI564782, AI749842, AI185815, AI268532, W57960, BE867262, BF528561, BF767239, W04546, W31706, AL525091, AI298111, BE619539, BF229603, AA676753, AI244331, AA594587, H04777, BF477387, AA844313, AI298648, BG258424, BE732602, BE618928, AI308935, AI245883, BF219495, AI033525, BF229746, BF304314, AA903645, BG248486, AA311089, BE784624, BE387248, AW583270, W05359, BE900921, AI285354, BE787958, AI138807, BE902378, AI873080, AW375994, BE397149, BE889467, AI580861, BF971555, BE269942, R66456, AA459419, W58159, BF229585, AI349461, BE272924, R50965, AI858233, AA617658, AA034329, BF229745, H78823, AW328211, R11323, BE785628, BE908859, H04875, AI343680, AA614085, AA034202, AI143654, AI761693, BE269099, AI750339, BE897046, AV760538, BF229740, AI349463, H43857, R36927, AA772428, W31216, AA903646, BE544485, AW615694, AW328212, H68396, X84715, AW732674, AA045170, AA887883, BG116246, AW768349, AA505411, H91106, AW583764, N48127, BE392342, AA311465, BE312117, T19195, BE886017, AI471013, AA531288, AA577167, BE895921, BE251869, AA514027, AI658764, R52874, BE267176, BF822509, F08915, BF745193, AA252325, BF758131, BE545398, AW797677, AW351493, N30995, AI799621, AW884134, H80200, BE267935, BE267800, AW991482, AA033689, AW673291, BF512122, BE703325, AA902667, AW024793, AI355277, BF885082, AV758825, AI798404, BG256592, AL110306, AI927233, AI929108, AW827276, BE781405, BG166654, AW087199, BF025791, AW007955, BE880182, BF032768, AW827289, BF339322, BF822127, BG113224, BE874133, AI623736, AW673679, AI277325, BE047952, BG029829, BE883591, AW151136, BG110684, AW170773, AI873638, BE622183, BE895765, AI624543, BE540578, BF038131, BF968989, BE906419, AI886415, AV706219, BE967307, AI933992, AI621341, AL045413, BE908988, AI359163, AW090102, BF814357, AI889147,

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HL2AB60	1220	722226	1 - 1462	15 - 1476	AL520442, AL531285, AL520443, BE792097, AL531284, BE621667, BF690262, BG116803, BE560924, BE747813, BF312626, BE791941, BG121470, AU142529, BF027514, BF314485, AI188509, BF527881, BE894858, BG179462, BF338315, BE869808, BE621058, BE559976, BF983764, BE886246, BE908901, BF689714, BF037646, BF204563, BE791735, BF195647, BE394177, BG178405, AV763432, AI885640, AW955277, BG171287, AI139889, AW192757, BE540556, AA126582, AW514286, BE275578, AI471542, BF342545, BE383759, BE746657, BE275902, BF317310, BF311097, BG115814, AA707153, AW971444, BF035026, AI929686, BF975015, AI922286, BF573343, AI986230, AW519043, BF314740, AV693424, BF037577, AA126690, BE255041, AW262764, AI802390, BE313550, AV686706, BE255666, AW513471, BG110901, BE222642, BF983756, AW513461, BF205775, BF850042, BG031578, AI052590, AV760095, AW292986, BE391421, AI951208, BG114019, BF037185, AW242118, AI814534, BE297545, BG231608, AA778452, AI689430, BE513179, AI492545, BE905236, AI570548, BG031885, BF125546, BE276410, BE296205, AI831791, BF304154, BE077127, AI553859, AA814432, BF528493, AI150266, BE220791, BE786008, BE772844, AI338179, AW275146, AI640806, BE394582, BE740591, AA314527, BE728094, N32888, AI202797, AA741541, AI432934, AI432926, AI929842, AI491729, AA001707, AI079942, AI087405, AI362750, AA604195, AA643148, AI709238, AW591492, BE386993, AA828632, AA928269, BG230750, AI521264, BE042710, AA827319, AI041907, W48771, BE772770, AI860984, W74709, AV704255, AI275873, BE243896, BF034094, AA768401, AA191393, AV761594, AA131879, N42379, BF870921, AW188704, AI206563, AA843856, AA315337, AA132301, N47756, AI247783, H58511, AW571805, AA446452, AA565506,

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HL3AE69	1221	695734	1 - 461	15 - 475	AI693219, AV705485, AI917360, BE502476, AI880840, AI590135, R95069, AA494430, AI571198, N33268, AA620909, R94979, BG232096, AI880832, AI657034, AI084601, AW089827, H40030, W87810, H41095, AI202731, AA815446, AI978559, H20484, BE798262, H91837, AA351661, AI057047, AA256147, BE797687, BG008488, AW249439, AA635475, BE277733, N67484, AI394213, AL134336, W96002, BG009635, BF315820, BF311684, BF814263, BF814266, BF814265, BE264145, BE311990, BF814241, AA977090, AC007376, AB028959, AF111169, AF055021, AC007376, AC007376, AF111169, AF111169, and AF111169.
HL3AF32	1222	753468	1 - 2694	15 - 2708	AL133779, AW961788, BF726698, W63676, BE046412, W63789, AA659693, BF114614, BE646183, W60959, AI951970, W94209, AW044233, BF668056, AW663548, W04957, AI139947, AA514302, BF084925, T91396, AA846232, H27231, AW129678, AA789002, AA581966, AA347970, H28581, N20018, AA249370, AA449282, AW188870, AA809643, AA295134, H75715, BE841554, BF378732, T90114, BE841633, T84625, AA610150, BE710736, AI040666, AI279919, AI925869, BF130410, AI925860, AA526037, H75644, BF687723, BE153177, AI690750, BE706664, AA449227, BE706539, AW362955, AI299663, BG035577, AA633424, AA602906, H61476, H59488,

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HLDAV70	1223	623603	1 - 1300	15 - 1314	BF110597, AI248742, BE670352, BG149433, AI241557, BF110596, AW971114, AA508104, BE085529, AX013997, AK025873, AF195120, AK000299, AL158070, AC009236, AL157938, AC016025, AC007739, AC020898, AL133448, AC008450, AC008450, AC008450, AC010309, and AC010309.
HLDBL62	1224	899498	1 - 1008	15 - 1022	BE790903, BE796523, BF116009, AI684645, BE794343, BE265839, AA583491, W68729, BF799656, AA203287, AW884622, AW964271, BE834155, BF906449, AI708212, AI523090, AW082102, AA835187, AW604914, AW854750, BF906480, AA680327, AW854174, BF819762, AI340001, BF945893, BF942044, AW301123, BE798241, AI246763, AI023446, AV651839, AA968970, BF942079, AI248981, AA043288, AI343763, AA994361, AW008759, BE468065, AI285653, BF743522, AI298941, H92535, N58479, H96366, AV653664, AA975619, AA865283, N78069, AI355802, BF224305, AI127237, AW166530, AW881276, AW603180, H60172, AI572148, BF337607, AW882282, H58831, BF942353, H60213, R02769, AV657874, T72190, H58778, AV749420, AA043627, H62571, R74217, W68800, BE936683, BF870583, AA335594, AW579025, AA975971, AA094507, AA632003, BE857731, BF954719, AA953571, AA983209, BG013595, H91637, AW947327, AI299516, T72969, BE794600, BE762607, AV686158, AW881345, AW885068, AW472782, AW050565, R02768, H62493, BF197295, BE762572, H92534, AW840875, AA295250, AW295070, BE936713, AI905688, AA299159, AI282294, AI753467, T25030, BF906478, AF258340, AX011634, AC006479, AC006479, AC006479, and AC006479.
HLDBV18	1225	805684	1 - 2806	15 - 2820	AL515855, AL515854, AL538512, AL514894, AL529058, BG025910, BG034686, BE614203, BG109185, BF036844, BE896043, BE394147, BE884059, BE619369, AW993901, AW149548, AW604570, BF527288, BE868411, BE620028, BG254743, AA534635, AV732177, AW945177, BE348413, AL037719, AW157730, AI309337, BG251351, BE536672, AW007850, N23782, AV693400, AA910366, AL039254, AI921070, AI589660, BE313670, AA148808, BE613451, AA745788, AA224463, AA058967, N21288, BF984161, AW512990, AA915913, BE964468, AI700580, AW157456, AA152253, AI872280, AI885342, BF316145, AI080298, AW438686, AA425378, AA148823, BE868587, AI033801, AA641252, AV719871, AA224464, AW083346,

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HLDCR26	1227	852350	1 - 2624	15 - 2638	AW851074, AV717931, BE865469, AI207482, BE612738, BE873974, BF184568, AV653291, BF037100, AW972563, BE885483, BE645045, BE867177, BF240102, BF242765, BF030093, AI735576, BE617510, BF223433, BE613206, AA633198, AW995140, BF239055, AA604341, AW579694, BF195517, AW851382, N28737, BE865313, AI921152, BE544970, AW820660, AA169632, AA747290, AI635009, AI891079, AI691008, AW571779, AW471244, AW994959, AW835735, BE673984, H15640, AI050963, AW959293, N51249, AA304995, AW610172, N23119, AI273394, AI078737, AA858155, AI954942, AA305536, BF224124, AA052957, AA186555, AW958551, AA970956, AW954458, AI829956, BG026147, N42607, AI582597, AW851380, AI342662, AA036791, BF035526, AI680410, BE350914, BF382330, AA419613, H98538, BF208862, N32936, AA731597, BE645912, H15641, AA135469, AW361271, BE812154, AA476871, AW361269, AA682578, AI281225, C75389, AI285111, N24588, BF208406, AI867118, AW361276, AA431191, AA947230, AW080990, AI268194, BF511496, W00499, AI494636, AA989512, AA505992, AA010053, AA382100, AA583565, AA135174, AA581103, AI811791, C01585, AA301521, AW674716, AA301522, N91157, BE813387, AW610174, AA417036, AI370579, H98565, AW753296, AW798776, AA171674, AW578430, R67025, BE246020, AA525340, R65645, AA360374, AW954455, AA431517, AA903447, N66341, W42795, W02929, AW361284, AW754160, AW805555, N74535, H96786, AA634867, N72220, AW020945, BG168639, AA505759, AA417158, AA055783, BE169602, D31482, AI824363, AA643657, AW579014, AW300357, AA968790, AA810403, AW579012, BF447156, BF436967, AA620479, BG036579, AL047275, BE830718, AA748835, AA775164, BE093758, AA036792, BF095995, AW604885, AA029200, BF738841,

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HLDDM27	1228	850360	1 - 773	15 - 787	AL525666, BG259064, BF128797, BF526935, BE383508, AL528195, BF690269, AL525618, BE621718, BG258461, AW249909, AI829665, BE293501, AW245414, BE620026, AU151030, AU159576, AA165702, AU150487, BE621867, AW001122, AI590065, AU150478, AU153438, AI460299, AA826661, AI828673, AI361812, AI832806, AW872952, AW152498, AA707667, BG033610, AA054325, AI885306, AW001448, AU148607, AU153957, BF339438, BF664196, AU148297, BE856751, AI151144, BE205993, AL538215, BF026897, BE675620, AU159562, AA780357, AU159572, BE502091, AI889476, AU153645, AA541746, AI126768, AA287268, BF940144, AW519054, AI421313, BE293785, AI524106, AW004927, AW068437, AI469708, AI334168, AI081478, BE383511, N94458, AW166139, AA699659, AI130873, AW192941, N99133, AI185307, AA009730, AA588567, AW130170, AA101577, AI190296, AU146101, AA574115, W52553, AW151608, BE676134, AI798128, AA688105, AA706850, AA554618, AW150787, W58695, BE535322, BF432360, AI312570, N93377, W30736, N33493, AW173619, AA858339, AA991645, AA603972, AA622928, BE221640, AA147198, AA775580, AI371329, AA022628, AI088642, AI422904, AA485231, H24371, AU153137, AA159326, H19346, AW057707, AA113180, AW263028, BE246136, W72377, AA962146, AI128190, AA678910, AW276271, BG119825, AA768731, AA738051, BE220894, AW960305, AW651609, AA232191, AI301891, AW088126, W74087, AW090212, AI479772, AW168839, AI572674, AA761307, AA176358, AW614886, BE243382, AA810230, AW513334, AI087407, AI675208, AW874545, AI608693, AI355558, AA055666, AI619875, AI032127, AW474122, AW079802, AW731724, AI952121, AI095870, T51830, BE618561, AA831791, AI521572, AW473205, N23678, AI418078, AA156328, AW872792, AI469415, AW440466, AW192121, AA306032, AI005378, AA158479, H41015, AW169203, AI475322, AW118249, AI061106, AW512541, AI682606, BE797957, AI186946, AI433988, BE621201, BE315467, AA158381, BE619367, AA079720, AI762365, AI766435, AI926086, H17470, AW613591, BE245924, AA099230, AW189988, BG036329, AA151615, AI687227, AA688370, BF791766, AW082612, W05210, AA852174, AA281791,

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HLDDM27	1229	881984	1 - 785	15 - 799	AL525666, BG259064, BF128797, BF526935, AL528195, AL525618, BE383508, BF690269, BE621867, BG258461, BE293501, BE621718, BE620026, AW249909, BF664196, AW245414, AI829665, BF026897, AU151030, AU159576, AU150487, AI590065, AW001122, AA165702, AU153438, AI460299, AU150478, AA826661, AI828673, AI361812, AI832806, AW152498, AW872952, AI885306, AA707667, AW001448, AU148607, AU153957, AL538215, BF339438, AU148297, AI151144, BE675620, AU159562, BE205993, AA780357, AI889476, BE856751, AU159572, BE502091, AI126768, AU153645, AA541746, AI087407, BF940144, AI421313, AW519054, BG033610, AW004927, AW068437, AI524106, AI469708, BE293785, AI334168, BE535322, BE383511, AW166139, AI798128, AW192941, N94458, AA699659, AI130873, AW130170, N99133, AI185307, AI418078, AA287268, AA588567, AA101577, AI190296, AI081478, AU146101, BE676134, AA009730, AW151608, AA574115, W52553, AA688105, AA706850, AA054325, AW150787, AA554618, BF432360, AI312570, W58695, AA485231, AW173619, BG119825, N93377, AW960305, W30736, AA858339, H24371, AA622928, AA603972, N33493, AI088642, AI422904, AI371329, AA775580, AA113180, AU153137, H19346, BE221640, AW090212, AW263028, AA768731, AW057707, T51830, AA678910, AA176358, BE246136, AA962146, AW276271, AI128190, BE220894, AI301891, BE618561, AW651609, AI479772, AW168839, AW088126, AA232191, AI572674, AW614886, W74087, AA738051, BE243382, AA810230, AW513334, AW874545, AI355558, AI675208, AW613591, AW079802, AA158479, AW474122, AW731724, AI095870, AI952121, AI032127, AA147198,

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HLDNF18	1230	821599	1 - 1712	15 - 1726	AI762874, BG181061, BG029934, BE741765, AI674791, BF666745, BE904311, AW954849, BE219311, AW954043, AI276484, BE465197, AW205759, AA976248, AI422894, AI400084, AW341397, BF447671, AI127180, BG251035, BF196141, AI671157, BF475963, AW009017, BE326318, BE218835, AI278183, AA455318, AI039711, AI082634, AI536624, AW137128, AI184021, AI912127, AW014838, AA884620, AI814108, AA992557, AI420403, AA242741, AA423822, AA976249, H87044, AI871050, AA910054, AW341215, AA293585, AA960906, AI215906, AA421611, AA291568, AA884250, AW296512, AI244330, R88283, AA314432, AA928066, F37886, AA419081, AI522232, BE833848, R77308, AA659558, BF939420, H14133, H14077, BE833850, R86712, BF932337, AW802175, AA887721, BE833789, AI468647, AA767469, R86713, H45831, BF594455, H87708, AI474163, BF927687, AW138723, AA382709, AW247977, BF570928, AI572188, AA242762, AA406276, BF800745, BF987769, AI968554, BF742929, AI611453, AW249727, AA923711, AI361199, C00900, AW393192, AW393206, AA913682, AW945168, AF155330,

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HLDNN84	1231	612801	1 - 922	15 - 936	N71583, AI825152, AC024584, AC006088, AC011484, AL135839, AF191069, AP001330, AC005874, AF134471, AC011462, Z82208, AP001707, AC073898, AC006483, AC018738, AL024507, AC011473, AL035683, AC021558, and AF207954.
HLDOD77	1232	610208	1 - 684	15 - 698	N77243, AW410784, AW591746, AL120282, AA602540, AI149061, AV761558, AC007226, AC024075, AC025588, AL133387, AC005995, AC007151, AC011475, AL035398, AC008764, AC011479, AP000689, AC006088, AC010677, AC008569, AL133163, AL023807, Z83822, AP000512, AP001435, AC004867, AC008745, AL109613, AC003108, AP000008, AP000704, AL162615, AC004967, AC005105, AL135749, AC006942, AC005236, AC004166, AC004685, AP001727, AF053356, AL035086, AF001549, AL121655, AL162430, AC008770, AC005562, AL035587, AC004263, AL121890, AC005052, AL109623, AC011469, AC005844, AC010618, AC002365, AC001226, AC020552, AC000403, AC004491, AC002094, AC005488, Z97056, AC004876, AL050307, AL049830, AC009314, AL009172, AC005067, AC015651, AD000671, AC002407, AC006329, AL035425, AL355094, AC005484, AC002288, U91321, AC011500, AC005082, AL138836, AP000466, AL121601, AC004821, AC002565, Z84466, AC006483, AL109976, AL049766, AC006512, AP001712, AL163249, AC008521, AC016995, AC013734, AL049760, AL139109, AC005756, AC011895, AC008066, AL109930, AC005736, AL022326, AL034380, AC009248, AC068799, AC010200, AC024561, AL109984, AC010748, AC006480, AP000493, AC004840, AP002898, AC011470, AC008555, AC020906, AL355392, AC025594, AC002314, AC005005, AC006205, AL121933, AC004019, AL049776, AC010412, AC018639, AC018642, AL445483, AC008372, AL353653, U91323, AC005098, AC005923, AL049539, AL132639, AC011449, and AC004826.
HLDOL74	1233	812765	1 - 889	15 - 903	AL519874, BE304985, AI743028, BE293829, BE293425, BE304953, BE906130, BE293734, AW664876, AA603030, BE250481, AA909777, BE293770, AW075749, AI621202, AI992048, AI832491, BF434073, AI807194, AI913854, AL531596, W58610, AW181918, AA643224, AA564217, N91666, AI423265, AA586948, AI143782, AA827280, AI147661, AI097390, AA142974, AA927072, AI741764, AI023822, AA071484, AA626465,

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HLDPB24	1234	853440	1 - 1957	15 - 1971	W31112, BF515721, N99942, Z41966, AC004844, and AC034280.
HLD RU08	1235	701995	1 - 1072	15 - 1086	AW888219, AL529421, AU119842, AI056268, AL519395, BG107577, AI343372, AW769171, BF344227, BG119518, BF219098, AL529422, AW960952, AI027361, AI139495, AW960953, AU120950, AI924719, AW960954, BE293139, W23031, AI660874, AI491951, BF360709, BF769120, AW087171, AA044040, AA258433, AA258473, AL519396, AA447181, BF081346, BF304496, AA665778, AI401464, AA323852, AW961328, BE296935, AA043987, AW627646, BF759897, AI206793, AU132805, BG120802, AA588294, AA460097, BE896064, AW594473, AA316032, AA603138, BF934203, BE538657, BE152612, AW882106, BF742285, AW367071, AI439142, AI932561, AA249413, AA249549, AI783947, BF687519, AA303874, BG037202, AA316121, BF328792, BF328783, AW084101, BF878499, BF846654, AF237771, AK001655, AB045321, AF237774, AF264766, and AF264765.
HLDXF43	1236	514022	1 - 545	15 - 559	AV743422, AV736417, AV738384, AV758509, AV735903, AV742141, AV739554, AV739141, AV740814, AV743505, AA147875, AV662056, AV743236, C17914, AV754694, AV736568, BE894355, AV740392, AV736229, AV735565, AV740013, AV736534, AV742849, BG255441, BE881459, AV741386, AV746446, BE897892, BE875738, BE879085, BE875120, BE878914, BE869945, BE879780, AV754263, BE875192, AV737802, AV662035, AV727492, AV727233, AV729342, BE873808, AV737807, BE880006, AV753910, AA745378, BE616542, AV743782, AV754205, AV649910, AV738019, AV754050, BE875639, C17520, BE895229, BE878715, AV753953, AV735877, AV744650, BE868795, BE873309, AV754259, AV740892, AV737819, BE885122, AV741741, BE893671, AA522594, BE881586, AV742316, AV736027, AA468916, AV736953, AV737831, AV737590, AV753772, AV753647, AV742221, AV735783, AV742369, AV737138, AV754667, BE878118, BE890809, AV736364, BE876580, AA143576, AV740617, AV744190, AV737048, BE874288, BE868898, AV737560, BE880796, AV660095, AA194687, BE878132, AV695515,

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HLEAA10	1237	824265	1 - 1411	15 - 1425	AL528595, AV713754, AW962016, BF970902, AW055198, AI380445, AI635647, AA357841, AA779676, BF743200, BG178607, AW247142, AA872060,

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HLEAA24	1238	745383	1 - 2310	15 - 2324	AA357623, BE671811, BF693827, AA581594, AA862943, BE145059, AI797190, AA442338, BF925891, AW050476, AI301139, BF927411, AL109610, AF045448, AL163280, AC005764, AF064860, AC008069, AL049743, AC019187, Z98304, AL096772, AC020939, AL355384, AC022163, AP001705, AD000813, AL356954, AC008243, AC007073, AP001331, AL352979, AC006972, AL445647, AL121875, AL359313, AL031114, AL136100, AC007671, AC005186, AC062033, AC008372, AC022816, AC005400, AC006984, AC012065, AL162272, AP001039, AL122007, AP001732, AC010361, AL079352, AC007270, AL392173, AC061958, AC007327, AP001625, AP001747, AB020874, AC006148, AC007749, AL133391, AC004980, AC009263, AL133512, AC003686, AL035670, AC005053, and Z97205.
HLHAE14	1239	865625	1 - 2027	15 - 2041	H49208, AI248942, AA358780, H60492, H60446, AI243090, H49394, AP001724, AL031591, AC006924, AC012447, and AC012447.
HLHAE14	1240	886763	1 - 2040	15 - 2054	H49208, AI248942, AA358780, H60492, H60446, AI243090, H49394, AP001724, AL031591, AC006924, AC005234, AC012447, and AC012447.

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HLHBS54	1241	837503	1 - 4024	15 - 4038	BE793391, BF037440, AW411431, AW411432, AV723798, AL118640, AA421652, BG028281, AI141739, BE296303, BF980969, AA569352, BE729319, BE619348, AI093588, AI056382, AI751145, AI830945, AW959700, BE746540, AI978744, AA203147, AW385187, N36100, AI131280, BF058207, AW385194, AW964924, BF996174, BE895496, AI697330, BF855572, BE298675, AA572769, AI431821, AI306411, AA129607, BE910210, AI270378, AW675183, AA284276, AI697452, BF943592, AA613934, AA459541, BF205506, AW580438, AI591380, BF943589, BE295387, AI830868, AI521845, BE783079, AA613025, W79827, AI658493, AA658343, BF943544, AI658483, AI640733, AA453151, AA171976, AA180412, AI066480, AA179828, BF858120, BF943550, AA464519, AI074418, AI827350, AI818147, AI079578, AA180376, AA970308, AA569579, AI038151, W78160, W07621, R53199, AI431691, AA180411, AI266113, AW390238, N24863, AA227163, AA612938, AA641053, AA172124, N90891, N31800, AA464520, BF931838, R54307, AA459310, H44552, AA084338, R51916, W46679, BE616851, R78942, BF943548, AA421653, BE615849, AA347837, AV750071, F34347, AI423886, BE008604, BF943546, H13879, BF760832, AW673014, H44340, BG057969, AW517794, AA326083, W46632, AI202612, AI342718, AA243222, AW080737, AI421139, AA218676, BF512353, T46960, AA613817, R62938, N27571, AI033297, AW290974, AI081667, W47438, T46961, R22209, AA515732, H53863, AI184234, BF871105, N80888, H53491, AA359923, R62937, BF987671, W20465, BF758781, AW340070, AW085155, BG002164, AW235210, AI086770, BE550493, BE905433, AA928979, AW440085, AA377667, AA844367, AI146951, W38558, H44339, AI682869, AA004374, R71722, AA366837, AW081995, AA226808, AI751146, AI733856, BG009211, BF805088, AA080904, R22263, BG222608, AW979191, BE315483, AW069227, AA833875, AA833896, AI634187, N57681, BF845136, AA315361, W32717, BG000735, AI923052, AI457313, AV762633, BG056362, AW805539, AU144540, AW265688, AU147162, AV695478, BE208115, AI890324, BE178489, BE245576, AA410788, AW970987, BE139139, AI250552, AW872736, AI284543, AA602906, AA441810, AA904211, AI884522, AW674631, BF965775, AI254770, AV759632, AW068596, AL524675, AI251284, BF916784, AI251034, AI251203, BF795891, AI583142, H73550, AW978041, AA916430, AW067788, BE138387, BG010084, AA669155,
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HLHCB33	1242	638208	1 - 1660	15 - 1674	BE814898, AV727741, AW263074, AW778955, AW628106, BF246476, AW025358, BF327332, AA359704, AW515221, AW271962, AW140045, AW271831, BF198061, AI537198, BE184585, BG163300, I89933, I89932, AP001265, AP001265, AP000751, and AP000751.
HLHCF14	1243	834846	1 - 864	15 - 878	AL523808, AW469920, AL523807, AI568880, BF509324, AA948085, N66861, BF996223, T93125, AW340774, AA621512, T93228, R64521, AI400266, AI242972, AA777337, AA359318, AA337376, BE177010, AW952614, BE176899, AI700651, BE176900, AV738340, AW975618, D81026, AV719876, AW964532, AV742050, AW949645, D80164, C15076, AV742732, D59467, AV724520, AV718530, AV741220, AV720150, AW973541, D59787, AV701004, AV718489, AV718692, AW965158, AV741187, AV741198, AV741191, AW964468, D80522, D58253, AV718800, D80132, C14429, D80045, AW753053, AW959799, AV719468, AV744662, AW960553, D80195, D80022, AW752082, AV744012, AV718681, D80134, AW966053, AV742029, AW949630, AV699550, AW965163, AW966075, AW966065, AW966054, C14389, AV742736, AW960465, AW966013, AV719783, AW949642, AW966534, AV720464, AW975621, AV741221, D81030, AW178893, AW966062, AW949654, D59502, AW966050, AW975605, AW966041, AW966022, AV719822, D59859, AW966531, AW978634, D80269, D59275, D80227, AV699927, D58283, AV720791, AV699901, AV719188, D80133, AW966043, D80166, AW959597, AW959570, AW965185, AW965197, AV699866, T03269, D80193, D51799, D80188, D59619, D80210, D80251, D80391, D80248, D80240, D51423, AW978661, AW965177, AW960564, AW949641, AV741189, AW958992, AA305578, D80253, AV719324, AW973488, AV720203, D80212, AW973307, D80043, AW959469, AW949632,

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HLHCG24	1244	847398	1 - 1120	15 - 1134	<p>BE740977, BF311747, BE314023, BF313801, BE259986, BE384298, BE729725, BE281544, AW959171, BE261443, BE903577, BE797920, BE743355, BE384133, BF346571, AA358623, BE312517, AA302818, AA296949, BE312406, BE260554, AW504485, AI284640, BF681619, AV756491, AA410788, BE259941, AW271904, AU147162, AW819125, AW023111, AI923052, AV763026, AV763058, AW500029, AV710482, AW270385, BF804385, AW270256, AW080811, AI733856, AA904275, AI279417, AW779609, AW500684, AV738383, AV760508, AV759632, AA468022, BF589824, AI254779, AI755214, AW575605, AI345695, AI754170, AA535216, AI754105, AI745151, AI754567, BF725318, AW855803, BE150796, AI635440, AW574976, AI056177, AI246796, AW073470, AW975049, AA284247, AW277253, AV762633, AW438856, AW805539, T05834, AL121385, AV740009, AW576251, AA584489, BE138594, AW410354, AW851405, AL046746,</p>

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HLHCH20	1245	753464	1 - 1246	15 - 1260	AW249934, BE547510, AA551120, AI832882, AI633737, AW183063, AU149080, AU117154, BF037000, AI761901, AA278239, AU144060, AI024940, AA278697, AW510829, AU149750, AA210703, AI216210, BE770974, N45096, AA661524, BE770951, AA747292, AA228403, AA776832, AI858350, AA935851, AA573588, AI498965, BE543238, AU149592, AA430678, AA897370, T84858, AA908193, AW516447, T67157, H95518, BF888072, AI023657, AA470685, AA464744, AW959205, AA358691, AA146766, H85680, AI925751, T67158, AI217855, AA811245, AA359108, AW607981, T91275, AA995914, AA709183, T84226, T54169, AA935092, AA278579, AA886131, AI758427, AW386032, H84750, BF772623, AW934879, AA620622, AI467925, AA146765, AI925748, AA258073, AA228402, AW796192, BF772221, BE839795, AK027229, AK022788, and AB029034.
HLHCN51	1246	836150	1 - 1804	15 - 1818	BE276537, R63422, U54713, U60799, AI376322, BF835206, U47924, AC024481, and AC024481.
HLHCT96	1247	886178	1 - 2140	15 - 2154	AW965008, AI076616, AI951863, AI567674, BG177715, AW510513, AI917156, AA610271, BE387734, AV725627, BE796439, AW021583, AL040921, AV764406, AU118745, AI053623, AI679294, AI053790, AI679871, AV719751, AW964365, AL046409, AW964364, AI445582, AI284640, AI744188, AL120483, AL138265, BF126031, BF813686, AA491814, AL042420, AV740801, AI801482, AW193265, AI431303, AW970915, BF677892, AF330238, AA586458, AI282832, AW243793, AV760777, AV710387, BF965406, AL119691, AV764307, AW969629, AI334443, F28204, BF668217, AI613280, AV760937, AW008212, AW247819, BG249643, AV705998, AI654588, BE047069, AW513362, AV763354, AI281881, AI568678, AL048626, BG231262, AA838140, AW979060, AW975987, AU155168, AV710066, AI270117, AW439558, AL041690, AA587604, BF311000, AV763540, BG109996, AA812139, AI708009, AI345654, AV762139, AW833862, AA101689, AI754658, BF942454, BF592200, AI368256, AV762009, AA581903, BE139146, AA577906, AV691147, AV728425,

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HLHDC33	1248	779499	1 - 933	15 - 947	N47880, AW363838, BF334493, AL358857, AL358857, AL139133, and AL139133.
HLHDF92	1249	846331	1 - 794	15 - 808	AV647654, AV707117, AV707948, AV724987, AV652808, AV727103, AV707088, AV703417, AV705504, AV705234, AV707783, AV704592, AV706104, AV702787, AV702409, AV702869, AV704974, AV728715, AV656240, AV701728, AV709897, AV702498, AV701611, AV659189, AV726830, AV709935, AV727932, AV706183, AV707171, AV709407, AV652156, AV707686, AV729357, AV702537, AV701783, AV703012, AV705047, AV728872, AV728270, AV702958, AV707690, AV707882,

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HLHDJ05	1250	841732	1 - 825	15 - 839	BF821897, AA410788, BF821009, BG222196, AI056177, AV764259, AA904137, BE138484, BF905660, AA228778, AI369580, AW575000, AI733856, AU147162, AW067788, AW088133, AW504299, AW068008, AW068007, AI587565, AI791211, BF904491, AA719073, BF904486, AI821947, BG250286, BF905651, AL042373, BF905663, AA284247, AL138832, AC008392, AC005231, AC002468, AP000354, AL031680, U47924, AP001727, AP001725, AC025593, AF195658, AC002316, AL137064, AC006208, AL022163, AF111168, AP001712, Z83844, AP000688, AL158040, AP000501, AL121890, AC006512, AC024563, AL049748, AC005015, AC009116, AC016656, AL031283, AF168787, AC002425, AC009244, AC008649, AL049780, AL139100, AC018801, AC007057, AF196972, AC011895, L05367, AC016543, AC005102, AL158159, AL157713, AP001726, AL133245, U95740, AC005330, AL391602, AC004491, AP001717, AC020934, AC006530, AC010352, AP000208, AP000130, AP001724, AC011449, AC016652, AC007226, AL133232, AC002314, AC011452, AC004128, AC008265, U95742, AL096699, AF254822, AL031597, AC007435, AC004913, AF031078, AL138706, AL034405, AP001754, AL096766, AC004805, AL024498, AC025588, AF053356, AC006480, AL023879, AL356299, AP000141, AC004851, AC002369, AC007774, AL109897, AC005914, AC005180, AF030876, AC005041, AC006368, AC006236, AL157838, AC007227, AC005323, AL035587, AL049569, AL137784, AL080242, AL353807, AC006012, AC011465, L78833, AC005082, AL080317, AL121933, AC023051, AF190465, AC009228, AP001442, AL135818, AL121656, AC006040, AC009311, AL136228, U82668, AL021707, AC007957, AL136304, AL132772, AL023284, AC000070, AC011479, AC004149, AL022476, AC006111, AC005703, AL136131, AP001610, AC005220, AC008267, AC005052, AP001707, AP000557,

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HLHDL37	1251	847399	1 - 957	15 - 971	BE139636, AI765082, N59137, AA666332, AA703825, AW963901, AW963904, AC016655, AC010419, AP000553, AC002543, AL032821, AP000557, AC013436, AL132777, AL137797, AC007404, AC007787, AC023425, AC005089, AL022238, AP001712, AL137059, AC007098, AC004089, AL118520, AC004019, AC002316, AC002470, AC006111, AL162272, AC005015, AC004097, AC006077, AC016898, AL353812, AL158201, AP000348, Y14768, AP000505, AC007383, AC006537, Z97056, AC006430, AL162615, AL359292, AL035400, AC010422, AL021026, AC018663, AC007371, AC009516, AC010412, and AL354720.
HLHDL69	1252	883335	1 - 2337	15 - 2351	BG035669, BE906066, AW192879, BE502489, BG167933, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, BE551739, AI962811, AW002879, BE907852, BF197557, AW966216, AI139820, AI703385, BG231549, AI765960, AV723104, AI420752, AA287817, AV724367, AI660053, BF132412, AW995337, AW134652, AW051811, AA830471, AI917176, AI761208, AI797936, BE466159, AI923951, BF183857, BE220074, AA938723, AW408136, AW837534, AA031728, BE898378, AI307761, BE219452, AI885507, AI088217, AV723103, AA972358, AW337437, AA599138, BE042863, AI307334, AV723166, BF247256, AA478708, AI347549, AW136648, AI310382, AW407219, AW517973, AA721966, AI377084, R54281, AA973851, AA478573, W45294, AW407970, AI033131, AA810858, AA031619, AA307073, AW002244, AA076314, AV649960, AA534598, AI694925, AA761785, AA827338, H88051, W65479, AI828859, C75311, AA913468, BF904403, AA323865, AW837600, AA772486,

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HLHDL69	1253	850691	1 - 2502	15 - 2516	BE907852, BG035669, BE906066, AW192879, BE502489, BG167933, AV724367, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, AI962811, AW002879, BE551739, AV723166, BF197557, AW966216, AI139820, AI703385, BG231549, AI765960, W53019, AV723104, AI420752, AA287817, AI660053, AW134652, AA830471, BF132412, AW995337, AW051811, AI917176, AI761208, BE466159, AI797936, AI923951, BE220074, AI307761, AW408136, BF183857, AA938723, AW837534, AI885507, AA031728, BE898378, BE219452, AI088217, AA972358, AW337437, AA599138, BE042863, AI307334, BF247256, AV723103, AW136648, AI347549, AI310382, AA478708, AW407219, AW517973, AI377084, AA721966, AA478573, R54281, AA973851, AA009923, W45294, AA307073, AA810858, AW407970, AI033131, AA031619, AW002244, AA076314, AV649960, AA534598, AI694925, AA761785, AA827338, H88051, W65479, AI828859, H65908, C75311, H73031, AA913468, BF904403, AW837600, AA772486, AI655884, BG150148, AA323865, AA453971, BF856438, AA111854, AA076486, AA887506, BE968507, R51893, AI619514, AA732750, AA708726, W65430, AA046962, BF434548, T10188, BE170717, AI915339, AA383766, AI243262, W40166, H88262, AA365997, AA046897, AA847922, R00439, AW837536, T60023, BE161276, BE774532, BE161271, AI032598, BE161274, AA644330, H30061, H30071, AA337185, AA234173, H65822, BG032221, BE764245, H77921, AA847923, AW510703, AA740776, AI910068, AB000280, AC023437, and AC023437.
HLHDL69	1254	843836	1 - 2542	15 - 2556	BE907852, BG035669, BE906066, AW192879, BE502489, BG167933, AV724367, AI636759, AW958803, AW958798, AW304786, AW966067, AV726634, AW499902, AI818087, AI962811, AW002879, BE551739, AV723166, BF197557, AW966216, AI139820, AI703385,

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HLHDM38	1256	566843	1 - 1091	15 - 1105	AA714834, AI718247, AI814340, AA001344, AI190321, AI499266, BF111803, AA897648, AI091271, AA243850, AI707610, AI832024, AI660641, BF306810, BF195939, AI886810, AA280331, BE857635, AA232989, AI014672, N49790, AW169874, AA744777, AI078790, AI718088, AI718693, AA811481, BF478139, AI057060, BF478204, N49687, BG036276, AA642417, N52465, AA233243, AA233550, AI222478, AA233664, H08534, AI400093, AA688184, AW016760, T71573, AA001973, AA834175, AA731538, AI400546, AA490380, AA233167, BF593750, AA625822, BF840113, AW003128, AW020873, R44856, AI245448, AA280373, T78016, H05539, AI242919, AW975454, R07470, AA905176, AV740549, T82027, AA040807, H27829, H27766, R91559, N59846, N80843, T63399, AV734865, AI373057, AW468004, AA644294, AW895722, BE827535, AI373077, AA283403, AV682174, AI337200, T78179, T63544, AA283467, T11506, AF217507, AF217522, and AF212222.
HLHDR92	1257	692150	1 - 1260	15 - 1274	BF751662, AA443390, AW303941, AU120977, AI905408, BF875339, AL134531, AA812058, BF993627, AA578326, BG223424, AA214316, BE328286, AA199578, AW177869, AA729166, AW404543, AA533660, AA523834, AI801563, BG223498, U95740, AC003104, AC012597, AL031663, AF152365, AC007383, AC006277, AL121574, AL353804,

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HLHDY94	1258	847121	1 - 1477	15 - 1491	AW080564, AI567517, AW005444, AU116980, AW084727, AW081727, BE501094, BF965919, BF526687, BF569119, AW263839, AU117051, AW511618, AI291813, AW963350, BF340996, BF337071, BE350790, AW058516, AI138379, BE301124, AI037951, BE855549, BG059691, AU143977, AW264377, AW611766, AI888338, AI635223, AW873013, AI815107, BE673289, AW963825, AW469994, AA858421, AI436099, AI493992, AI356726, AW007248, AW152074, AI307655, AA599739, AW316732, W49830, AI458446, AA680023, BF058593, AW131128, AI624160, BG056341, AA600363, BG056342, AI167943, BF511417, AW193387, AA126747, AW191919, AW102791, AW302449, BF339085, AA678612, AW168491, BE677044, AW067786, AW073602, N91509, AI566821, AI283951, AA375746, N93295, AI432070, AI282748, AA136053, W68357, BF445594, AW025695, BF438359, BF678647, AW473353, AI049537, AI206922, W68492, T32364, AA857064, AA953297, AI989683, BE257144, AW139746, AI587375, BG152451, BF511475, H52325, AI826662, AA302318, AI653746, AA454886, AA326947, AW269712, AW083708, AW779835, AW262499, AW263307, AI478184, BE259066, BF357900, BG249186, AW613858, AW150548, AI219003, AI361540, BE645889, AI888773, AW270876, D29330, AI197982, AI904552, AI015731, AW300607, H52232, BF214983, AA603954, AA334874, AI940172, H16225, D29084, C00996, H16226, AW166307, BE856602, AI202097, AI658937, AI540540, AA342097, AA405572, AW594037, AI638542, AI650989, AI803487, AI867907, AI371537, BE907653, BF340130, W06850, AA126707, BG059797, AF074691, AA587196, AA837640, AB014609, U58856, AC005821, AF107292, AF134838, AC005821, and AC005821.
HLHEE27	1259	815512	1 - 3031	15 - 3045	BE899247, BF589344, AI795991, AI473783, AI457440, AI990709, AA058964, AI147503, W68155, BE898883, AU146942, BE858307, W74754, AW771902, BG109324, AI377742, W67696, AA699830, AI140079, AI862807, BF593381, AA044089, AW340727, AI138351, AI673013, AI911909, AW243417, AA918817, BE206772, AI131492, AA677470, W69133,

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HLHEE38	1260	824064	1 - 866	15 - 880	BE880751, AA115299, AA127927, AA115339, AL047019, AA126735, AA128247, AA127895, AI207922, H16408, AW069525, R40004, R49263, R85148, AL031595, AL008723, AL031595, and AL031595.
HLHEI72	1261	874180	1 - 1140	15 - 1154	BE885106, BE899213, BF377729, BF377734, BE019844, AW028814, AW175795, AA836348, BE009283, BE301302, AW500307, BE884937, AW819130, AA643902, AI914747, AA767864, AI284126, BE147845, AW833648, AW833647, AW833643, AL120311, AI364798, AI061577,

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HLHEX62	1262	608285	1 - 1110	15 - 1124	AI801565, H37919, AW511911, AU143951, AW175786, BF930782, BF930048, T55043, R27511, AA601376, AI590442, BE138520, AV712092, AA526542, AW063541, AW063526, AI932892, AI797998, AW576388, AI745666, AW008217, AK021441, AC020934, AP000694, U91327, AL034405, AC004913, AF243527, AC004890, AC005081, AC007421, AC010627, AC005839, AC007850, AP000553, AC004876, AC011480, AC005484, AL020997, AF168787, AL109797, AL031295, AC011475, AF207550, AC004019, AL133448, AF134726, AC011462, AL158830, AL157372, AC007298, AC004967, AP000008, AC002077, AC010271, AC004867, AC004491, AD000092, AL133211, AF205588, AC004166, AC003665, AP001748, AL139286, AL034420, AC018738, AC006441, AL135927, AC007227, AC002351, AC025588, AL136418, AC002472, AC005516, AC005399, AC006345, AC007057, AC005527, AC010422, AP001760, AC008543, AC006241, AC004686, AC009756, AC027319, AC004150, AP000704, AC007622, AC005288, AC025593, AL162505, AC006511, AC083866, AP001711, AP000503, AC004847, AC012309, AC008265, AL353804, AC005808,

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HLHFK59	1263	581065	1 - 802	15 - 816	AW772231, AI628760, AA926979, AL040319, BG249582, AW827207, AV660592, BG026746, AV760584, AL048656, BE965067, BF904263, AV713665, AV713669, BG112239, BG257535, BG251104, BG110517, BG168549, BE904902, AA911767, BF882343, AI537677, AW071417, AI343059, AI349933, AL119863, AW238730, BG029829, BG109270, BG027280, BG179993, BG036846, AA640779, AW673679, BE964876, AA572758, AW834302, BF816811, AL079963, BE047852, AI340603, AL036802, BE966498, BF970449, AV682787, AV734259, BF793324, AI251974, BE964614, AI590120, BE965121, BF904193, AI340519, AI349645, AI923989, AV702994, BE910373, AL041150, AI538885, AL038605, AI284131, BF526020, AI174394, BE965621, AV714975, AV703585, BE965481, AI348897, AL514819, AV738991, BG165260, AV755207, BG026428, AI886753, BF909758, AW059828, AL038445, AC004507, Z99297, AC005291, AL050310, AL158196, AC004383, AC004554, AC006313, AL391122, AL080239, AC002416, AC004507, AC004507, and AC004507.
HLHFP09	1264	805967	1 - 1218	15 - 1232	AA992948, AI638341, AW134923, AI038302, H54037, AI581139, AJ007581, AF314058, AL021578, AJ006140, and AL021578.
HLHGG78	1265	638210	1 - 840	15 - 854	BF967837, AI086076, BE813563, BF432976, AA479820, AI126256, BF110160, AA573873, AI493530, AA447455, AA643067, N51389, AI032793, AA781029, AA629918, AA594551, AA148791, AW062717, AA479474, AA086458, AA150300, AI289025, AW062693, AI435022, AI652271, AA505932, AI654799, AA838460, BF939030, BF945961, AA030012, R34884, BG055342, W05069, BF447699, AA446652, AA284655, AW665402, AI341331, BE674245, BE858825, R56685, BF115981, BE502174, AI184633, BE674712, AF034174, BE817212, BF437593, AA256802, BF590694, R37522, BE044238, R27646, BE796938, H62050, AW954578, AA089881, AI767342, AA215717, AW674595, AI743587, AI923211, AI806605,

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HLHSG15	1266	668247	1 - 2078	15 - 2092	AL515826, AL119219, AV715361, BF980128, AV650881, BF980045, AA524019, AV650886, BF341382, AI140326, AL515465, AV649635, AI457836, AV756884, BG028526, AI813685, AI185629, AW028038, AV711501, AI808798, AI094821, AL515466, AI820046, BE834481, BE789320, BE178346, BE178031, BE178177, AI633143, BF197142, BE178004, AI816930, AI096795, AA447266, BE178023, AA234459, AI703330, BE936920, AA706011, AI889382, AW173635, AI423124, AI829576, AA725548, AW172746, AI140084, AA453099, AA236583, AI458404, AI400126, AI436783, AI936016, AW662463, AW196824, AW473640, AI694031, BF240101, AI131485, AA116134, W03419, AA976311, AI927986, AW190800, BE718224, AI985477, BF512775, AW080021, AI090025, AA101072, AA883532, AW467740, BF433366, AI446055, BE178179, AI888105, AI347915, W58544, AI458412, AA453538, AA164718, AW273999, AL515827, BF575440, AA642442, AI264004, AI310082, AW162771, AA448291, AI139289, AI823697, AW296515, BF223307, AA227816, AA448220, BF243182, AI041884, AV708050, AI422542, AI040174, AI079649, BF438880, AW419337, N52069, AI811217, BE220570, W58509, AI341524, AA234446, H92809, N72857, AW050477, N66494, AA860306, W68441, N57501, BE931918, AI264008, AV649699, AA234068, AI674801, AA614788, AI368226, AI282140, AW204791, AA227990, AV651160, AV649813, AI284230, BF762597, BF028962, H97585, AW085005, AW768944, AI636532, AV757359, W47140, AI375979, R68285, AI143372, AI143824, AI350596, N69397, R68327, AA806011, AI372502, H92810, T79164, N42644, AI693361, H84167, R17372, AA116135, W47189, R62737, AV656965, BF576243, AI014919, R62680, AI283686, AI971207, AA255770, Z45137, H29421, T33043, H29328, C01688, AI739397,

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HLHSQ35	1267	570814	1 - 1338	15 - 1352	BF854241, AD000684, AC007201, Z84480, U78027, AL031774, AC009123, AL035422, AC002470, AC004685, AC005484, Z84466, AC005216, AL139339, AC005236, AC006160, AL445187, AL034405, AL035634, AC003036, AC018644, AL035086, AC002352, Z97054, Z95115, AC005011, AL391122, AC006254, AL033527, AC007282, AL121897, AC005328, Z93023, AL031293, AC004882, AC019059, AC019059, and AC074195.
HLHTB92	1268	815305	1 - 1644	15 - 1658	AW896306, AA359439, AC026066, AL355804, AL355804, AC012109, AC012109, and AC012109.
HLHTP55	1269	847322	1 - 760	15 - 774	AV752495, AI383131, R01164, R05770, AA878404, AC010271, AC002536, AL138919, AC004966, AC007066, AC008623, AL121652, AC016597, AC005081, AL034417, AB026898, AC083866, AC003070, AC005098, AC004089, AC010127, AC005015, AC005052, AC010458, AC008760, AC010463, AC027644, AL109758, AC005520, AL034372, AC018801, Z95979, AC083863, AC005102, AC020947, AC006581, Z98884, AC022515, AC005082, AC004166, AC009001, AC002425, AC003101, AC018731, AC011479, AL138756, AC005523, AL139100, AF038458, AC005071, AF196971, AC005041, AL139011, AL359981, and AL359981.
HLIBD74	1270	604914	1 - 397	15 - 411	AI344416, AI743858, BE255796, BE254801, BE253750, N51702, BG058677, AA864209, BG236386, AW051716, BE546487, AI074966, AI368820, AA609269, AI694629, AL521900, AW072157, AA913013, AA954773, AI269417, Z40442, AL524999, BF345596, BF149385, and AK024781.

HLIBE41	1271	772762	1 - 765	15 - 779	AV656250, AI927964, AV699163, AI742112, AI631900, AI041042, AW104486, AI308089, AV699162, AI767838, AI279221, AI017778, AW341426, AV715448, W73998, AA579048, AW150082, BF208191, AA342329, AA724863, AV649780, AA342328, AV662116, AW001075, AA983784, AA315404, AA847909, AA227330, AV699161, AA847910, and AK026469.
HLIBO16	1272	780805	1 - 624	15 - 638	R89092, AI478463, AW299988, AI762912, N70701, AI051566, AW270941, AV720023, AI984975, BF590409, BF197017, AI624626, AI796360, BE463937, T98676, AI274512, AW968356, AW968355, BE672759, AW972093, AW968729, AI791349, BE672774, AW971740, BE672719, BE672767, BE672748, AW972092, AW972090, AL042931, AL042729, AL042842, AL021939, Y17793, and AF019249.
HLJBI22	1273	658741	1 - 1041	15 - 1055	AW960484, AI073984, AW575710, AW293532, BE858717, AW274867, AI762044, BE857106, AI760532, BE500928, BG105935, AI378774, BF110315, BE501367, AW629261, AI627736, AI832041, AI380614, AW262135, AI128238, AA825610, AI378773, AI830152, N62269, AA130384, AI151264, AI307662, AW594369, T79162, AA514545, AA877734, AA404512, AA846009, AI340124, AI289124, AW196272, AA505178, AI651556, T79244, AI271663, AA776254, AA714762, AA678074, AI492304, AW405375, AW515838, BE218212, AA922364, AA934720, AI991664, BE328184, AI653088, H53164, AI873554, AA328385, AA232881, H53061, AI914455, AI657172, AA625510, AW964220, BE246696, BE246698, AI760848, AI572489, AI079493, AI805964, BF062449, AW406023, AW404880, BG259548, T24730, AW300730, AC025286, and AC068615.
HLJEE16	1274	847326	1 - 1147	15 - 1161	AW977747, AI126305, BF195835, AI338421, BG252095, AA679079, AA443175, AI913238, AI333023, AA972520, AA838427, AW605328, AW965312, BF222431, AI307325, AA463484, AI805628, AA828370, AW078809, R43305, AW006036, AA587907, AA922459, AI225223, AA707365, BF923727, AI928687, R82448, R82447, Z41035, H81876, AW630931, F04432, T96841, AI740575, AA937210, C01328, T96842, F03673, BF763516, AW081213, H81875, H81900, H81899, AI658899, AI863622, BF939300, AA332396, BF923780, BF763515, AA362022, AI205049, R47213, AY007164, AC004893, AB046845, AC004893, and AC061971.
HLLAX64	1275	827292	1 - 1667	15 - 1681	AA843153, AA628434, AI963242, BF110808, BF968957, AI337322, AW272807, AA203262, AW851197, AI424423, AW851201, BE042456, AA652192, AA682397, W56438, H97596, BE175406, AA307597, AI376895,

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HLLAX95	1276	588405	1 - 664	15 - 678	<p>AA715173, AW964008, AA715075, AA714110, AA666295, AI369580, AL137009, AL109804, AC027644, AC011465, AC011811, D00591, AC006452, AL118520, AC004883, AC005921, AC016831, AC005412, AC055740, AL390211, AC008569, AC008551, AF017104, AC003012, AL121890, AP000300, AC003007, AC005399, AC008623, Z98752, AC005377, AC005632, AP001717, AL122023, AL139353, AC008745, AC009001, AP000045, AP000113, AC011455, AL161937, AC006130, AC009194, AC018644, AC018764, AF001549, AL109976, AC005568, AC027319, AJ295844, AC005004, AC005480, AC004166, AL355178, AL022320, AC007216, AC020916, AJ009611, AL031680, AC003029, AL357153, AC004813, AL353706, AL034405, AE000658, AL133245, AC004000, AP001760, AC009086, AL136418, AC008688, AC003963, AL109797, AC007308, AL355520, AC018738, AC003108, AC007421, AL022718, AL133230, AC013429, AC007314, AC025436, Z97053, AL031726, AL034380, AC010102, AC010223, AL035685, AJ277546, AC006285, AC005391, AL109798, AL354720, AC007731, AC006211, AC006006, AC005500, AC004834, AC005049, AL117258, AP001746, AC009477, AC024082, AC002511, AL031281, AC005098,</p>

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HLLCD67	1277	822855	1 - 596	15 - 610	BF994712.
HLMBX89	1278	762967	1 - 1250	15 - 1264	BE250694, BF305911, BE250613, BF306417, BE250431, BF306331, BF445903, AC011239, AC060230, AC060230, AC011239, and AC011239.
HLMBZ14	1279	591271	1 - 928	15 - 942	AA779020, and AC016405.
HLMCT51	1280	772579	1 - 1508	15 - 1522	AI635589, BF928560, AI202885, AI214122, AW020415, T80943, AI333792, N54303, AU149421, AW965389, AA768716, T93873, AC027319, AC005756, AX017601, AC004965, and AK022729.
HLMCT95	1281	570815	1 - 1432	15 - 1446	AV757425, AW088846, AI334464, AI344812, AU147800, AW303196, AW301350, AI368745, AI357823, AI696962, AI919265, AL120959, BF915247, AI623720, AW963497, BF915722, AI587583, AI587565, AV762009, AI285521, AI284640, AV761362, BF792954, AA515909, AW088616, AV763122, AV761519, AL042420, BE072475, AV763583, AW021116, AV761810, BG249643, AV755677, AW302909, BF337291, AU147193, BE301175, BE150580, AW191886, AW975049, AV763701, AA651639, AW500029, BF740673, AL042753, BE065256, AW513015, AI246796, BF916934, AA532419, AW855730, BF760919, AA834707, AL035106, AP000115, AC008372, AL355358, Z98200, AC016144, AC020916, AL355352, X74558, AL033523, U78027, AC004690, AC008395, AL035422, AL023284, AC006483, AL352984, AL023494, AC008267, AL109743, AC084693, AC006077, AF196969, AC018720, AC006965, AP001216, AL133324, AL023880, AC005183, AL117334, AC023510, AC004813, AC011489, AL117336, X76070, AC004089, AP001342, AC006141, AC002350, AC002457, Z84488, AL353804, AL137145, AP001692, AC005932, AL109804, AC005015, AC002564, AC004876, AL138717, U95742, AL160031, AL024509, AC006958, AC027644, AC011470, AC007685, U02532, AC007383, X69951, AC002465, AC007688, AP001705, AC009060, D83989, AC008848, AC005821, AC005192, AJ295844, AP000090, AC011462, AC004030, AL034380, AL161731, AC007043, AC005081, AF241732, AL442166,

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HLMDD65	1282	566891	1 - 1179	15 - 1193	AA740857, AI375649, AI923670, AI018493, AI419322, AI358951, AA890179, AI686544, AI949126, AI689293, AW276428, AW574807, BF593620, BF057399, AA457042, AW378570, BF740135, AA826781, AW273393, AI421949, AI610786, AW954203, AW305311, AI243289, AA143789, AU147786, AI093096, AI094995, AA928572, AU154441, AI439575, AA974953, AA593863, AA630151, AW241907, AU147378, AI991650, AU148064, AA262949, AI289031, AI187750, AU152719, AI275426, AI192762, AA835410, W63575, AA291508, AU147554, AA410900, AA975468, AI346888, AA858199, AW090334, AA765920,

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HLMDH01	1283	721522	1 - 907	15 - 921	AL034423, AL161937, AL161937, AL034423, and AL034423.
HLMDU23	1284	668248	1 - 1045	15 - 1059	AI921649, AV709707, N31072, AI376100, AW664161, BE221335, AI453383, AW074059, AI956124, AI564284, N35000, BE206021, AA776936, AA776921, and AC004971.
HLMFB62	1285	604915	1 - 576	15 - 590	AA579407, BF870105, BF306313, AA628627, BE884790, AI468971, AW971975, AA814578, AW970962, AI869406, AI306028, AA568263, BF798161, AL120603, AW571493, AA121886, AA651974, AA282262, AW887618, AL031283, AC004752, AC073898, AL133480, AC005971, Z83836, AC008958, AC006316, AL355530, AL157718, AC008534, AC005251, Z99943, AC007051, AL031772, AC007773, AL139396, AL353194, AL031311, AP000502, Y10196, AL162414, AL122001, U91326, AL360227, AC004955, AC006006,

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HLMFG52	1286	602166	1 - 951	15 - 965	AA708151, AC006064, and AC007883.
HLMFU53	1287	801936	1 - 1161	15 - 1175	AL528672, AL528671, BE740519, BG179875, BE876837, BE409722, BF125146, BE384347, BE905434, AA480075, BE736786, BE386983, BE385086, AI708432, AA777273, BE909934, BF901579, AA455206, AA427548, AA362335, AA969968, AA421632, AW104489, BE275509, AI799353, AA454864, AI078240, AW955562, AI310388, AA427707, AI129255, AW089692, BE743523, AW170140, AA903911, AA362336, BF813903, R72751, R72760, AA483784, AA554328, R48745, AI197789, AA304308, AA320293, BF541788,

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702760 28005650

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HLMHG68	1288	580850	1 - 1326	15 - 1340	BF967276, BF967822, BE675848, AI693547, AA398062, AW117949, AW044341, AW468685, AI801370, AA890730, AA778640, AW001899, AA456064, BF508778, AI434131, BE833021, AI033982, AU145029, AI826270, BG026214, AA455567, AA652457, BF108431, AI458156, AA918511, AA515452, AA631567, AA687760, AA573416, F22701, BE045477, BE546175, AA292780, AA477424, AI699125, AW770290, AA310438, AA640186, AW884291, AA290862, BE774653, AI686681, AA479585, BE881951, AA394172, AI394051, BF361999, AA291044, AA150391, BF855032, AI816954, BF737256, AA291855, BF869437, AA291733, BG259202, AL044192, AA768725, AI701948, BF915315, AI926593, AW102900, AI345746, AI537516, AW079768, AI632981, AI608802, AI597805, AI636788, AA830821, AI050666, BF816031, AI923279, BF817746, AI951222, BF921215, BF913569, BF914101, BE393551, BE315058, AW083804, AW129269, AW265004, AI699154, AI702540, N74355, BE613727, BE965355, BF913615, AI718161, AI923272, AA527880, AI674912, AV721917, AV732941, BF814530, BF339333, AI300233, BF038804, AI285417, BF913568, BE245461, BF925370, AI812057, AI801032, BE963876, AI362332, AI589993, AA424741, AI824357, AI918554, BE962903, BF814429, AI677797, AW026633, AV736709, AW172723, AW151451, AI244380, AI624475, AW190482, AI689463, AI520785, BE172499, AW168700, BF816041, AI446124, BF915316, AI915295, AI354613, AI439097, BF750885, BE566196, BE966340, AI635528, AI636187, AL523055, AI749373, BE538466, BF904180, AV736039, AV736456, AI242411, AV741631, BE294431, AI300123, BE964269, BF764534, AI658566, AI872810, AI696626, AI680418, AI305157, AI609671, AI679916, AI950973, AI249946, BE091470, AI446110, AI365256, BE964497, AW085786, BF814449, AA713511, AW999906, AI680504, AA713851, AI886055, AI472536, AI041019, AW404239, AI452857, BF128459, AI364220, AI224373, AI476147, BE962570, AW073868, BE964767, BF815196, AI691149, AV682011, AW020455, BF133429, AI445663, AW090494, BE909521, AW167882, AW084772, BG120105, AI492356, BE962759, AI689614, BF988932, BF314442, BE963918, BE964962, BE971893, AI475433, AI689096,

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HLMHN06	1289	853606	1 - 642	15 - 656	<p>AA831132, AA602019, AC002553, AL139353, AC010582, AP001716, AC006077, AC083871, AL137119, AL163248, AL162430, AC006017, AL358214, AC006039, AL009181, AC004980, AC007282, AP000344, AL359382, AC016655, AC025472, AC025588, AC010419, AC016995, AC006057, AC005969, AP000426, AL138706, AC016395, AC005145, AC016623, AL035461, AL021331, AC007225, AL139331, AC008069, AL034402, AC008065, AL355392, AL138756, AC005844, AC005815, AL356010, AL121898, AL136419, Z98884, AL117354, AC008482, AC004673, AC022401, AL049781, AC009331, AL365444, AC003976, AC006965, AL133448, AL133370, AC004650, Z82194, AC006487, AP001752, AC004069, AL359763, AL160053, AC008173, AP001053, AL132777, AC017002, AP000088, AC010632, AC007683, AC073316, AC009275, AC009890, AC020977, AC006080,</p>

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HLMHS15	1290	638212	1 - 913	15 - 927	BE019217, AI884816, AA306203, AW958714, BE255875, BE263975, BE795502, BE795803, BE790537, BE250160, AW043740, BF966416, AW958709, N33030, BE746043, BE794650, AI040417, BF314278, AA160461, AI191487, BE257485, AC005726, AC005726, AC005726, AC005726, AP000878, and AP000878.
HLMIM84	1291	588487	1 - 1621	15 - 1635	AL048972, BF091946, AW081834, AA300783, BE295671, BF812601, BE777916, BG252786, AA588280, AA907518, AI936930, AI768357, AI188379, AI884989, AA775453, AW071755, AA369949, AA043144, AA382387, AW815437, AI193568, AI936998, AI458002, AA907195, BE784724, BE857204, C04735, AL533375, AA371027, BF360671, N77563, N36028, AI376901, BF238591, BF939969, BE383443, BE312821, AI942475, AC009238, AF151863, AR088271, AL049872, AF190865, AL356959, AC073323, AL121899, AC005519, AL136980, AC011479, AL139353, AL355835, AC007620, AC006487, AC013738, AC011465, AC005088, AL121894, AL392185, AL133258, AC024038, Z98036, AL035420, AC022493, AC007688, and AC009757.
HLMIN52	1292	590735	1 - 1232	15 - 1246	BE261837, AI870285, BF437544, AI740447, BE313954, AA628521, AI807623, AI869959, AL536389, AW006075, BE221133, BE221224, BE855831, AW592367, AI311383, AI266583, AW194323, AW974180, AI951168, BF000785, AA531611, BE466198, BF948898, AA573097, AA587614, AI924712, AI284261, AW169523, BG056895, BE552029, AI937762, AA961235, AW973083, BF509853, AI589865, AI343385, BG177232, AI199264, AI954243, AI686031, AI657066, AA588241, AA682958, AA576988, AA935554, AW839717, AW606575, BE074402, AW867504, BE965204, AW606572, AW606567, BF874349, AW606569, BF926000, BE703814, AW367074, BF930606, AA662528, AA737525, BF930728, AW384424, BF802846, AL136802, AL035659, AB028954, AJ223207, AL035659, and AL035659.
HLMIQ83	1293	688050	1 - 344	15 - 358	BE177661, H06215, AL136320, AL157704, AL157704, AL157704, AL136320, AL136320, and AL136320.
HLMIW76	1294	570816	1 - 765	15 - 779	AI284640, AL046409, BF677892, BG249643, AI334443, AV762098, AV762395, AF330238, AV760777, AI270117, AW303196, BF241967, AF074677, AL042853, AV762397, AW301350, BF697673, AW965008, AV760057, BE160727, AV728425, AI431303, AV764228, AV740801, AL138265, AW833862, AL138455, AV761489,

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HLMMA65	1295	780102	1 - 432	15 - 446	AL133404.
HLMMT12	1296	805448	1 - 431	15 - 445	
HLMNA19	1297	826530	1 - 992	15 - 1006	W22741, AC073237, and AC073237.
HLQAD72	1298	853613	1 - 1355	15 - 1369	BE877247, BF679711, BF509059, BF681408, BF680370, AI761728, BF105893, AI978618, BF966975, BF749398, AW954995, AW001434, BE910309, AW022739, BF126576, N58236, BF966094, AI129714, AW083446, N27268, AI719068, AI669262, AA872923, AA426582, AI638116, AW338069, AA418935, AA631725, N54486, AA577012, N31506, AI278492, AW371071, AA027189, AA866215, N92460, AI372946, AV694501, AA635528, AW380572, BE089933, AI168617, BE089931, AI286233, AA045077, R98321, AA999895, N53499, D62526, AI934356, H60357, R98322, H52604, AA492176, AA127016, AI916252, AI133618, BE938425, T81679, H52605, AI335730, N77615, T60163, BF106009, R12251, T96000,

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HLQBX64	1303	772803	1 - 2094	15 - 2108	AV649343, BF130482, BG179663, AV720745, AV719320, AV658379, AA191647, AV718561, AA219354, AI769578, BF126657, AI269889, BF574193, AV734860, AV720490, AU155184, AI302101, AV718656, AI950030, AI889538, AW419072, AA918982, AW088433, AI761095, AI309991, AI923375, AW006277, AA281666, AI924724, AA402240, AW273276, N53433, AI963654, AW015771, AI922198, AI458138, AA165601, BE439435, AI128266, AI277947, AA946849, AI343881, AA402701, AW474149, AI289226, BE672470, AI467936, H04844, AI288268, AW303836, AI823730, AA169335, AI949429, AA769673, AA165482, AV655147, AW167184, AI358150, AA863095, AI985661, AI277803, AA283660, AA171694, AI301236, AI690616, AI310961, BE513666, AI479558, AI538280, AW193233, N69299, AI301343, AV686668, AW440530, BE081066, AA661833, AV649185, AA172005, AW950671, AI886539, AI933892, AA953507, H04754, AV659340, T68167, AI194079, T69598, AA832118, AV648674, AV682550, BE065513, T71679, AI857292, T40113, T40914, BE934168, T51148, AW118431, AW089848, BE971266, AW839157, H42697, BE971367, T67818, T41019, AA283661, AI926046, T69670, R26189, AA344900, R46148, AA825794, AA344899, AI933890, AA171782, AW890922, AV709878,

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HLQCY09	1304	745384	1 - 1012	15 - 1026	BE969932, BE170240, BE170178, BE789920, AW572721, AW965008, AI732474, BF346919, AA745326, AA569734, T48856, AA084609, AV722143, AA731008, AC004826, AC002312, AL031727, AC010271, AC013434, AC005081, AL121658, AC020552, AC009756, AC005921, AL034420, AC009600, AL022320, AC083866, AC005899, AL050349, AP001725, AC011479, AL117382, Z82244, AL031681, AC006330, AC005755, AF196971, AC007842, AC005529, AC009311, AC010326, AC011475, AC007637, AC009228, AC005225, AC011491, AC005089, AL121928, AC002470, AP000692, U52111, AC008521, AL136172, AC004966, Z83840, AC000025, AL031985, AL356299, AC006211, AC004834, AL109921, AC006312, AC005015, AC002094, AC005527, AC002115, AL162430, AL160175, AC009086, AL022316, AC007376, AC008265, AC008264, AL121890, AJ246003, AC009516, AC007404, AF053356, Z93930, AC020916, AL353194, AF196969, AL049776, AP001710, AC005037, AL049747, AC068799, AC004089, AL031658, AC007881, AC005291, AC004962, AL009183, AC002565, AC007225, AC015651, AC011540, AC008569, AL049709, AC004990, AC006390, AL021546, AC007686, AC004491, AP000512, AL008725, AC004882, AC006084, AC007066, AL049843, AC036103, AC020908, AL158824, AC021016, AL139331, AL033526, AC004216, AL096840, AC020626, AC004770, AC012384, AL121897, AC005484, AF111167, AC020663, AB023048, AC004832, AC005328, AC005519, AF196972, AL133153, AC004383, AC020934, AC007276, AL139123, AL159168, AC008616, AC008760, AL137139, AC009314, AC007954, AC008551, AC008649, AC011444, AC002544, AP000511, AL049569, AC020629, AP001748, AC006111, AL138787, AL009181,

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HLQCZ43	1305	608174	1 - 1089	15 - 1103	BF724218, AW970163, AI431730, AW021108, BF678679, BF939528, AW600925, AA478897, BE465831, BF059231, AI333066, AA705567, AW051815, AI334218, BE502227, AA478778, AI368014, AA040593, AI632702, BF222432, AA411665, AI264090, AW015503, AA136531, AA947276, AI263540, AA136754, AI002071, AI090993, AI280794, AI078611, AI949819, AI863717, N68680, AA205416, T87804, H94997, AW020835, AI217325, N91696, AW170735, AI499485, AW338283, AA514298, N22613, H88771, AA040491, BF476788, AI890599, T87803, AW518706, AW881572, BF246812, AW589546, AC015948, and AC015948.
HLQCZ80	1306	787112	1 - 1407	15 - 1421	AV718890, AV718902, AV648620, AV719008, AV719390, AV720156, AV648959, AV658768, AV658711, AV658158, AV684891, AV648719, AV648723, AV653592, AV659843, AV657361, AV648829, AV653376, AA704885, AA007395, AA693785, AI022409, AV688504, AA702984, N53227, AV689661, AV660293, AV654418, AV645681, AV649655, N73530, AV656075, AV689653, AA007649, AV690219, AV651018, R83442, AV686274, AV693547, H63124, AV651438, AV692455, AA703573, AV659515, AA678129, AV651425, H95586, N73178, AV719042, AV653556, AV720886, N58528, AV649963, N52215, AW951417, T88682, AV649842, AV649876, BF954101, AA505770, H92995, AW984470, BF846885, BF805391, AV655604, C16735, AA608549, AV654794, AI905403, AP002026, X56419, M15943, AC019183, AP000946, AC023134, AC004220, AP001680, AC025439, AC016568, AL031585, AP001677, AC002302, AF238375, AP000957, AL031311, AL023582, AL355537, AL117378, AL135924, AL359994, AC008444, AC004677, Z97183, AC016903, AC005193, AC004833, AC010180, AP002026, AC019131, and AC019131.
HLQDK45	1307	621414	1 - 831	15 - 845	AA583029, AW973053, AI697179, AA635645, AA512962, BG057790, T12171, BF448823, BG163526, AI017041, AI347440, AI624726, U69181, AW468994, AW078977, AA865887, AI458831, BF939618, AI339365, AI139357, BE744630, H97036, AI758331, AI214269, AI624203, AI921608, AA868104,

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HLQDM47	1308	743237	1 - 1767	15 - 1781	BF949856, BF949042, BF949575, BF949859, BF949445, U50078, AC036149, AC073167, and AC073167.
HLQDU77	1309	607495	1 - 905	15 - 919	AU131273, AI991253, AI809198, AI332382, AA703052, N41059, AI129593, AI378419, AA627354, AA225156, W96051, AA225139, W96052, AI797763, AA225288, AA877406, AA765835, BE858304, W19640, AI014881, BE774723, AI565279, BE269106, AA621255, BE268159, AW804039, BE814996, AK023163, AC011320, AC011320, AC068617, and AC068617.
HLSAD72	1310	588406	1 - 481	15 - 495	AL038778, BE886728, AI801325, BF812961, AW169671, AI469532, AI433157, AI702073, AV722452, AI560099, AA579232, BE965621, BG259944, BG257535, AL513693, BE879906, AL043293, BG179993, AW806761, AW073865, AW026882, AL513991, AI696612, BF812938, AL039086, AA640779, BF344691, AW198090, AI677796, AI921248, AI783504, BF856052, BE047852, AV706744, AV702994, AI620284, AI583982, AA420722, BF970731, AI524654, AI815232, AL079963, BF725644, AL048871, AL045266, AI312428, BF816811, AI537677, AA427700, AI633009, BF527014, AI500523, AW302965, BG029399, AV712672, AI886753, AL119836, BF812960, AL121365, AI619502, AL040169, AI609375, BF856017, BG108324, AI590120, AW827289, AL514627, AI889376, AW163834, BG163618, BG031815, BF793644, AI475371, AL045500, AI564719, AI932953, AI699865, AA572758, AW129659, AL514473, BE890041, AW105383, AL036396, AL038605, AL048656, AW673679, BG180996, AI637584, AV757018, AI934035, AL120695, AI309401, AL514879, BE964614, BF032768, BG110517, BF884999, BF815855, AA613907, AI500706, AV720938, BF038131, AI114703, BE964876, BG178911, BE964636, AL036802, AV681987, AV682737, BG109270, BG035511, AI281762, AI625079, AI500662, AI536685, AL513907, BG114104, BF868489, AI538829, BG036846, BF904180, AL037454, AI569583, AW104724, AL119863, BF872670, BE620444, AI434223, AV753074,

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HLTCJ67	1311	567284	1 - 1469	15 - 1483	AA974620, AC026349, AC026349, AC024150, and AC024150.
HLTCM28	1312	612810	1 - 1318	15 - 1332	AA527161, AA527065, AA505489, BF875718, AW512550, and AA353061.
HLTCO22	1313	780428	1 - 1662	15 - 1676	BE739372, AW978552, AV714985, BF513610, BF215608, BF964875, BG153437, BG150468, BF590227, AI970101, AA045204, AW007701, AI268296, AI857636, AI799478, BF056355, AW020577, AA521166, AA831155, AW197617, AI015124, AI582621, BF693476, AA243281, AA058800, H45390, AI355156, AW664500, AA243280, AA948581, AW105025, H20999, AW305073, AI473827, AA825892, BE738825, C15291, AA476361, N46842, BF438967, AA303034, AA132743, D60796, AW959469, AA303035, H45391, AI699856, AA670255, AW580592, H20959, C15464, N47161, AI566600, and BE614265.
HLTDA14	1314	804545	1 - 933	15 - 947	AI568061, AA845918, BG113168, BF981109, BE540365, BG031068, and AL356096.
HLTDC26	1315	732137	1 - 1730	15 - 1744	BF793808, AW207838, AI769537, AW511478, AI192903, AW772443, AI480327, AI422073, AA251553, BG236305, BF214946, BF448110, AI458119, AI862755, AA401548, AI990239, AA401587, N30504, AI052436, N30464, AI003426, N30451, AV706955, AW337750, N21239, AA742950, AA400038, AI660115, N20830, N29521, N26120, AW271684, AA007697, AI769732, AW196360, AW449758, AA552743, AA702649, AA659397, R70724, BF919510, AW751370, AA365572, AA775132, R70725, AI282541, AA621696, AI769741, N38765,

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HLTDC26	1316	859069	1 - 1730	15 - 1744	BF793808, AW207838, AI769537, AW511478, AI192903, AW772443, AI480327, AI422073, AA251553, BG236305, BF214946, BF448110, AI458119, AI862755, AA401548, AI990239, AA401587, N30504, AI052436, N30464, AI003426, N30451, AV706955, N21239, AW337750, AA742950, AA400038, N20830, AI660115, N29521, N26120, AW271684, AI769732, AA007697, AW196360, AW449758, AA552743, AA702649, AA659397, R70724, BF919510, AW751370, AA365572, AA775132, R70725, AI282541, AA621696, AI769741, N38765, N57465, AA732488, AI693055, AA400074, N48396, N36754, AA251655, H89519, C01477, AW337875, AA170814, BF102729, BE940389, AV702815, AL161725, AK024436, AC025306, AC025306, AL161725, and AL161725.
HLTDI20	1317	610269	1 - 1968	15 - 1982	AU118373, AU117678, AI655728, BG109189, BG252288, BE785506, AW958196, AW370349, AW847761, AW191018, AW236807, AI954660, AW603675, BF109666, N62925, BG057249, BG231680, AI744489, AI743760, AA829899, AA694188, AU160565, AU144958, AI143187, W56495, AI990875, AI813664, AI954683, AI791260, AA845588, W03545, AA582935, N77052, AI337211, AA449646, AI469980, AW179064, AI709151, AI732941, AW183952, AI690530, AI963317, AA422107, AI480299, AA971443, AW082815, AU158868, BF868353, BF868369, N20415, AA743667, AV726085, BG231885, AA451736, AI139928, AW352158, BF086853, AW370329, AI910710, BF878988, AW369655, AA613089, AW388866, AI825751, AI816822, BF086850, AI351539, AW388874, AW389059, AI833319, AW352145, AW388950, AI524492, AW388922, AI399853, H17861, AA730400, AI025020, AI049584, AW388819, AW370346, AA233374, AW370336, AA449483, AI311468, AW370345, AW389038, AW388834, AW388934, AW388750, AW388852, R98015, AW388868, AI763080, AW388937, AW389091, AW352161, H09793, BE717825, AW388847, AW388901, AW388724, AW389153, AW388873, AW375735, AW388949, AW388867, R82958, AW388947, AW352148, AW389076, AW388746, AW388912, AW352139, AA233007, AW752220, AW389043, AW389080, AI028472, AW388818, W81553, BE074545, AW388856,

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HLTDI65	1318	740756	1 - 2675	15 - 2689	AV751280, AL040921, BF674256, AI634187, AI631119, AV722075, T74524, AA715814, AI457313, AW340905, AW963623, AW965008, AI962030, AV738383, AA115863, AW962444, AI653776, AL136981, AL049539, AL049832, AC020908, AC005722, AP001727, AL022165, AC000120, AP001718, AC005520, AP001728, AP000555, AC006251, AP001713, AL137119, AL136097, AC008066, AL034420, AL390039, AC020893, AL391122, AC005754, AC004687, AC005261, AC005071, AC005052, AC005666, AC003665, AC008083, AL163301, AJ011930, AC007683, AL353748, AC025436, AC004531, AL137818, AL034548, AL356414, AC004491, AC002300, AC004089, AC012076,

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HLTDK30	1319	834810	1 - 1559	15 - 1573	BG259399, BF307397, BE904641, BF308750, BF038514, BE298533, AI005028, W72694, BE551307, AI697515, BE218764, AU121500, AA622527, AA029760, AI701511, BE219529, AW339103, AA447650, BF353565, BF116187, W77809, AI769081, AI341093, AI360836, AU147300, AA136867, BF114827, W93881, AI283783, AI192892, AA030016, W02154, BE677375, AW206855, AV706621, BG056759, AA044298, AA136797, AI040302, AI086876, BE712689, AI376650, AW129652, R83741, R56757, W32488, BE712527, AI469894, AW015059, AI769127, T51127, H23334, AA448054, BE261534, BE712068, H23221, Z42428, AW592431, AA843467, BE711595, R36957, R53400, AI420084, AA044125, R83586, AI349597, AI349234, W94152, AI247576, AW073678, T46846, AA328802, R53994, AI383570, BE149945, R56909, BF820586, T17042, R39074, AW946174, BF379206, AW438998, Z38633, AW946214, AI659755, AW874504, AI863779, BF698572, BE693226, R11839, BE079713, BF892930, AL529727, BF889327, AW877263, AK022195, AL139339, AF131810, AR081887, I80055, AR081888,

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HLTDU35	1321	827293	1 - 1979	15 - 1993	AW978322, AV699389, AV647597, AV714388, H93047, AV647591, AA648294, AA937186, AA807042, AW242064, AI590137, AA987285, AI298048, N57911, R59052, AV747052, BE968555, AI301228, AA663670, H00210, R64129, H16061, R56509, AU137618, AI289633, AV647284, AV647449, T23805, H09270, T15413, R96974, Z44595, F07523, AW149244,

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HLTDX04	1322	596818	1 - 1455	15 - 1469	AL120642, AA883846, AW241788, AI434878, AA873398, W67113, W67114, AA282871, AA973492, H18775, AA448803, BF904868, BE007039, W67358, H18800, AW087686, AW087697, W67359, AW087685, AI218889, D59409, AA468171, H46382, AA723693, BE545373, AA913719, AA883837, BF591997, AA808706, AI811981, AA883839, Z40459, AW008663, AA811854, AA465707, BE702518, AL513907, AL515041, AL513597, AL514627, AL514803, AL514919, BE966443, AA342574, AL513911, AL513553, AL514691, AL514799, AL515375, AL513803, AL135661, AL513693, AI439087, BE966775, AL513631, BE785905, BE964486, AI699857, BE964633, AI500553, BG179993, BE781369, AL514819, AL513763, AI597918, AV757797, BF343172, AL514935, BG168696, AI702406, AL513977, AL119049, AV755614, BE965190, BE048071, AL513943, BE964621, AL121270, BG256880, AL513643, AI625079, BF883916, AL514087, AI568870, AL046849, BF724691, AI349772, AI868831, AV755613, AI433976, BF795712, BG257535, BE964912, AL119791, BF344652, BE964812, AV682672, AV756770, BF971016, AW071349, AI349933, BE964700, AV757737, AI281779, AW162071, AV681618, AI609592, AL514929, BE047863, AI440426, BF724198, BE966388, AV682809, BG179250, BE963388, AW303152, AI679724, AI500077, BG260037, AL047042, BE964618, AV756703, AI567351, AV723953, BG058208, AV681857, BF793187, AI687728, AL040243, AV682772, AV682289, BF037097, AI538716, AL045500, AL513837, BE965865, BG151247, AL047763, AI815383, BG036846, BE963035, BE964682, AW827203, AV711924, BE964741, AI340582, AL513951, AI433157, AI690751, AL036802, BG252929, AW827211, AW074993, BF812933, BG031815, BE967261, BG105187, AI349645, BE967113, BE047859, AW268253, AI250293, BF970731, AV660662, AI312152, BE887488, AV681716, BE965556, AV756477, AW132121, BG250190, BG105099, AI349937, BE048081, AI857296, AL513753, AW089572, AI873731, BE876539, AI446606, AL513999, BF348329, AV727776, AW467961, AV682330, AW301409, AI436456, AV759831, AI282655, AI498579, BG259801, BF981774, BE966634, AL036146, BE965396, AW827249, AL514791, AW274192, AI673256, AI271786, AI608667,

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HLTEL39	1324	853615	1 - 1813	15 - 1827	AV720189, BE501654, AW022173, N24848, AI421808, AI421699, BG150321, AA906877, AA701448, AI085893, AI128103, AI554017, AL526596, AL526715, AW173524,

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HLTEN11	1325	772547	1 - 1500	15 - 1514	BF525500, AI633774, AW955756, BF244425, AW157246, AI678048, AA446080, AW026674, AA446063, BE348634, AW022113, BF194907, AI823765, AA429923, N63904, BF447080, AA873836, AI671589, BE218807, AW235569, W92743, AW954946, AI879670, BE466044, AW299942, AI806797, AI952880, AW953960, AW517669, AI690210, BG060145, AI703150, BE675398, AA429908, AW007776, AA504771, H10791, AW504049, AI582136, W95283, AW151802, AW293176, AW662105, AA451874, BE568542, AA731172, AW130235, W94778, BE218109, W92866, AA324347, AI040878, N66181, AW304884, AI708281, AA973340, AI694976, AI702795, H00128, R51082, N99173, N70684, AW341772, H84581, AI510743, H87043, D78680, AI708727, W02609, H21842, BF924724, AI458466, N48272, AI472716, AA292355, BG223556, AI970915, AW129078, H23222, AA805407, T34861, BE081897, AA151184, AA507887, AI478122, T07761, AA452071, AW444939, AI473278, AA223670, AA319458, AW374959, Z41254, AA151183, BF374100, T59750, AW869164, H84939, H87707, BF224036, D51237, AA359049, AW992484, BF434023, H87841, H86866, AA377374, AA367073, AA632016, R41175, AI379671, AI216239, BE183131, H21843, AA261867, AA491384, H05058, AA465715, AI940696, AW130227, H78926, BE781743, T19557, T19556, AW298778, F03292, H80135, AW374914, H10811, AI640407, T19566, T16631, BE840854, BF209763, T59630, W06871, AB028965, AJ224877, AJ012824, AF130248, AL163208, and AC018358.
HLTEW52	1326	663148	1 - 1521	15 - 1535	BF844827, AV683406, AV763460, AW410844, AA525818, AW575808, AW021674, AA595661, AA640305, AI732327, AA425283, AV758849, AA313025, AI732720, AV759517, BG180320, AI174703, AI444575, AA180056, AA493546, BE244308, BF812696, AA199578, AW265468, AI572680, AA507623, AA630476, AW963552, BF725436, BG059139, R61887, AV755245, AA280886, AW979173, AI114755, AI076729, AW504667, AA493245, AI254267,

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HLTEZ36	1327	821676	1 - 3037	15 - 3051	AA780067, AV652150, AV646143, W95040, AW967035, BF699201, AA700133, AI042497, AI935534, W95041, AI472096, AA703411, AA701233, AI886776, AV719150, AW382705, AI248591, AV646155, H63633, H59779, AU158230, BG149820, AA457270,

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HLTGG14	1328	824068	1 - 1276	15 - 1290	AV717702, AA425435, AV724854, BF529488, AA425616, AW149359, H24948, AA424386, AI400479, AA630555, AI553863, AA424335, AA743273, R83637, AA933880, BF346150, H24987, AW583454, AA988052, BF848546, AW954242, D61202, H44008, H11768, R83632, Z17883, AA296608, BF917726, BE884281, AI990056, D81485, AW843490, AW262783, AW795616, AI056259, BE939374, BF876324, AI907049, AA319995, N63363, AB033030, AK026689, AP001747, AP001628, AC004832, AC005182, AC058791, AC002365, AP000344, AL353193, U95739, AL137019, AF139813, AP000345, AC004019, AC005837, AX039602, Z82181, AC008635, AC007938, AC011540, AL096761, AC011491, AL031727,

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HLUAF94	1329	794116	1 - 1489	15 - 1503	AW275432, H73550, AI380617, AV762354, AI369580, AI733856, AI904840, BF854308, AV733907, BF857849, BF809041, AA381754, H86725, AW067788, AI791659, AW963444, BF832074, AI291439, AW778780, AI537995, AI536858, AI130709, AI280504, AI821420, AA773463, AA564582, T50676, AA714011, AW962006, AW272640, AW856329, AI754293, BF892087, AV707230, AI814682, AW130188, AV738383, AV764372, AI469599, AW272815, AA568399, AW149288, AV706945, AW148775, AI908093, AV710482, AI620808, AC007390, AC008635, AP000557, AC023490, AC005666, AP000556, AC007957, AC016025, AL035681, AL121933, AL022238, AC005225, AL354864, AC002477, Z98742, AL031660, AC005586, AC008056, AC006329, AL135749, AC005844, AC007546, AC018719, M37468, AL138756, AL121900, AC018639, AC004965, AL096701, AC018644, AC007881, AC004382, AC004659, AP000356, AC020908, AF038458, AL121928, Z94801, AC007637, AC027319, AC004865, AL008718, AC004845, AL353812, AC000353, AL353807, AC004400, AL133453, AC005324, Z84488, AC009032, AC005522, AL022726, AL161670, AC005531, AC005566, AC005183, AC005057, AF235097, AC007878, AC006256, AC005800, AL121652, AL022721, AC008482, AC005071, AC003108, AC009060, AC018662, AC004971, AC008616, Z98304, AC010219, AC073249, AC000159, AC005722, AC010422, AC010792, AC011449, AL138741, AC004846, AC003070, AL139384, AC007688, AL122021, AL162615, AL031230, AF001549, AC005596, AC068799, Z84486, AC016026, AL137060, AC007011, AC006483, AL109797, AC008745, AC006006, AL118505, AL138740, AC004973, AF168787, AF053356, AC004216,

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HLWAH33	1330	855954	1 - 2275	15 - 2289	AU140503, AU140499, AU140578, AU140658, AU140466, AU140564, AU140486, AU140530, AU140680, AU140554, AU140561, AU140369, AU140443, AU140139, AU140445, AU140374, AU134998, AU138398, AU140442, AU139502, AU140253, AU136651, BG012490, BG004502, BF114814, R77176, N76312, N30869, N30875, BF996764, BG000469, H04076, C17588, BE856561, BE856713, BF111336, BG004251, BG012768, BG009593, R89552, BG004250, N55190, BG009191, N77248, AI219395, AU140399, C18170, BF990898, AI200253, N54346, BF109725, BG009592, H12405, AI189527, BG010262, H72729, H91268, R69976, BF436164, R25124, AU158053, H70764, R89002, R27293, N56743, T53733, H90358, BG004245, BF989790, BF994166, BG009193, T89052, C17473, AI271459, H72728, BF990715,

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HLWAO11	1331	885339	1 - 2915	15 - 2929	AA402528, AA716107, AI123557, BG012978, BF996491, BG012967, AW983663, AI127175, BE810281, AA234106, AA234698, BG012979, N77999, AI039768, AI580137, AI379350, AA424560, AA419490, BG010666, R71349, AI224976, AI417798, AI080508, N58410, BG012946, N91089, AI818475, AA424657, BF986530, AA399612, AI144265, AA399137, AI498363, BG013866, AA410986, AA235306, AA399148, BG010096, BG012565, AI249102, AA115407, H81257, BG012976, AI334141, BE817685, AI077499, H00194, H45499, BG012578, BG013065, BF998792, BF997284, BG014612, BG009928, BG012573, AA234880, F05822, W86869, R82875, AW292497, H81245, R22096, AA298421, R01206, AI985171, T54283, R64037, AI492930, BG014506, AI492932, R82876, R81695, R33935, R25630, BF992066, R32025, T49264, AW104245, R95688, AW970150, R01319, BG006854, AW970146, BF993436, R33043, R22040, R71350, Z38741, AA852176, BF996770, BF085179, AA514393, BE817625, T34993, BG013537, BE930065, AA705441, D79105, R32078, BF843592, H81591, BF107166, BG012975, T49265, H81585, R34138, BE817684, BE817611, BF997299, R81696, AA115408, H45500, H81595, AA707178, H81250, BF369785, AI032721, BF996793, Z21579, BF996488, BF990036, T97662, BF995754, BF086199, H81576, BF085946, AX013771, AL079279, AF206329, and I76197.
HLWAW73	1332	664491	1 - 1189	15 - 1203	AL531941, AI027524, BG108207, BF970602,

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HLWAX50	1333	809094	1 - 3172	15 - 3186	AU137994, AU140186, AU140355, AU140166, AU136054, AU140446, AU140247, AU139173, AU137809, AU140094, AU140238, AU137767, AU135718, AU138290, AU138125, AU134680, AU139211, AU139150, AU138650, AU139616, AU135229, AU139551, AU134592, AU140954, AU136074, AU135801, AU140312, AU139012, AU140118, AU136194, AU138056, AU135235, AU135916, AU137243, AU137362, AU139359, AU138455, AU134926, AU134792, AL513764, AU138689, AU138921, AU138153, AU134962, AU135599, BG009781, AU137049, AU134844, AU139679, AU134660, AU137745, AU134899, AU139162, AU136809, AU137378, BF997087, AU138273, AU138168, AU135061, BG012953, BG000899, BF990819, BF985164, BG012961, BF369673, BF369717, BF994347, AU139741, AU137737, AU138326, AU140113, AU137544, BF086441, BF996861, BG003908, BF995025, BG011620, AU137010, BG010091, AI188697, BF993773, AI751064, R81528, AU135794, AU139972, C18984, D63207, BG015848, BG006853, BG009437, BG003739, N54404, AU138488, BF369441, BF993403, BF993397, BG013880, AL513717, R80509, BF992868, N30319, BE930140, BF988372, BE930729, AW956978, BF993399, BE930162, BG008307, BF993862, BF993457, BG012060, T48606, AU138522, BG008019, BG012055, AU140287, BG008308, BF988246, BF993404, T49943, BG008265, C18612, R81529, BG012562, H95375, N56659, BG007237, BG015094, AI189691, BF086328, BG008310, T54117, BG008338, BG013640, AU136109, H02192, BF992691, AI219064, R73963, BF990174, R76427, C18735, BF993046, R75985, R82521, AA330732, BF990578, AA368517, BF987229, AI220902, R67848, BF085415, AA368074, BF993395, R76816, BG008313, R80403, BG015362, BG008309, BG009957, BF990825, BG001437, BF989759, R73879, BF993405, BG001372, BF086414, H01076, BF989756,

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HLWBJ93	1334	840369	1 - 1594	15 - 1608	BF569282, AW575351, AW138913, BE263659, AW450375, AW771436, BE857181, AI524129, AI308859, AW466912, BF110656, BE466759, AI953235, AI198445, N49756, AW406015, AI439025, AW028653, AI914746, AI090769, H29645, AA421504, BF568248, AI991549, AA501937, AA421473, AI985868, AA326081, H19142, H29553, R18883, AA339125, AI915276, N52684, AA345131, AA876086, AI572262, H19141, D81810, AI364862, BE393892, BE783946, AL022312, AL022312, and AL022312.
HLWBK16	1335	638217	1 - 1204	15 - 1218	AA578368, AA492135, AI880112, BE707438, AA927112, AW970866, AA368674, AW237957, BE560582, BE560540, BE268041, BE513979, BE398109, AI525375, BE270770, AF191611, AF043045, and AF042166.
HLWCC11	1336	847401	1 - 354	15 - 368	AW450180, AI674683, AI074699, AI041225, AW190406, Z39641, AC010764, and AC010764.
HLYAH81	1337	559150	1 - 671	15 - 685	BF920557, BF918730, AI306324, AI348983, AW881209, AI494172, AI805363, AI223604, AI805547, AA724922, AV759293, N50204, BE147416, BF957224, N58713, AA084337, AA847499, AC000118, AC004965, Z99128, AC005747, AC005778, AL021307, AC006996, AL354835, Z85996, AL035405, AC006345, AC002072, AC023105, AC027319, AC004840, AC007565, AL161420, AC003035, AC005696, AC004383, AC006060, AC004228, AC007124, AC007539, AC006483, AL022320, AC007546, AL034555, AC020741, AC027119, AC008753, AL122001, AC007204, Z93017, AC002565, AC003982, AL161788, AC010271, AL136528, AL034553, AC006285, AL354720,

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HLIAH92	1338	607801	1 - 767	15 - 781	AP000478.
HLIAJ79	1339	608289	1 - 815	15 - 829	BE877313, BE877897, BE898244, BE876255, AV646609, BE875452, BE880171, BE874129, AV646653, AV713937, AV717895, BE873910, AV712023, AI207423, AV646639, AV646649, AV728530, AV710865, AV704989, AV706544, AL037048, BE877724, AV646504, BE876209, BE876129, BE879161, AV708364, AV725312, AV646554, AV707414, AV707576, AV704136, BE874183, AA669077, AV704821, BE881017, BE879486, BE877360, AL048429, AV727727, AV716924, AI065079, AI133420, AI133314, BE877089, AV728726, BE878189, AI064797, AV723801, AV704410, AA081407, AV646560, AV702289, AV646616, BE876145, AV704743, AV710411, BE879482, AI653760, BE876191, BE877490, BE878843, BE878144, BE879920, BE873856, BE892997, BE881087, BE892986, AV702097, AV709377, BE881605, AI884494, BE875679, AV705900, BE880965, BE881406, AI133218, BE880616, AV715527, BE880379, AV723748, BE877550, AI061660, BE875048, AV654563, AV701103, AV701289, BE876526, AV691015, AV704545, AV716245, AV693793, BE881677, BE876857, AV693806, AV723085, AV702987, AV725077, AV715880, BE877534, BE875611, BE875017, BE879660, BE898249, BE880104, BE881578, AA886596, AW188463, AV686634, AV716707, BE874992, BE877148, BE874412, AV721842, BE883115, BE868953, BE872765, BE869861, BE867046, BE868935, BE877853, AI557254, BE876076, BE874933, BE874887, AV757464, BE872576, BE867519, BE866703, BE874381, BE870019, AI888487, BE867152, BE878535, BE876950, BE871969, AI064695, BE877908, BE878111, BE873978, BE869555, BE867007, AL037870, AV686024, AI459473, BE868476, BE876777, BE876151, BE878325, BE879105, BE881405, BE874441, BE875672, BE876996, BE876184, BE881324, BE877404, BE872183, AV701547, AV761230, BE878096, BE876772, BE876933, BE880480, AA659265, AA487595, BE895696, BE876529, BE893859, BE867946, BE873745, BE878628, BE877533, BE876273, BE874818, BE878625, BE875010, BE877218, AV715658, AA594949, BE880906, BE892671, BE875274, BE898642, BE869867, BE876227, AI924211, AV719659, AV724031, BE874666, AV716234, BE878393, AW270021, BE867374, AI720552,

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HLYAL28	1340	567421	1 - 993	15 - 1007	AL031985, AL031985, AC025994, AC025994, and AC025994.
HLYAR30	1341	781249	1 - 840	15 - 854	AW138760, AI928443, AI264363, AA428526, BG236171, BF432779, AA581388, AA854958, AI366182, BF446513, AW170385, AI970247, AI354301, AI081061, AI140964, AW243493, AW104079, AI366181, AA732881, AI039682, AA425694, H11979, R46377, AI871576, AI082699, AI767870, AW207325, H72841, AI537179, BE796247, N35990, AW168999, AI678150, AW972093, AA405499, AI191091, Z39960, AA626013, AW139286, AI283218, F03140, AA890408, N95266, AI871195, AI349325, BE791253, AI914847, AW088879, AA192077, AW090285, AA788656, BE674514, AI634559, BE797083, AI269823, AA894693, AW151974, AW151132, BG167830, AI431238, BE883591, AI537677, AI494201, BF812963, AI804505, AI815239, AI500659, AI866465, AI815232, AI866691, AI801325, AI500523, BF812438, AI538850, BE885490, AI358271, AI582910, AI887775, AI582932, AI872423, AI590043, AI284517, AI923989, AI500706, AI445237, AI491776, AI289791, BF811804, AI926593, AW151138, AI521560, AI889189, AI500662, AI285417, AW172723, AI539800, AI284509, AI582912, AI538885, AI440263, AI889168, AI927233, AI866573, AI633493, AI434256, AI355008, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI859991, AI436429, AI889147, AI623736, AI355779, AI581033, AI371228, AI431307, AI491710, AI440252, AI440238, AL047422, AI567971, AI866786, AI610557, AI860003, AI431316, AI242736, AI539260, AI828574, AI887499, AI440260, AW151979, AI539781, AI702065, AI539707, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI282249,

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HLAT54	1342	581067	1 - 1260	15 - 1274	<p>BG171888, BE874805, AI524120, AI416974, AI805499, BG150310, AW451188, AA525134, BG222204, AA251528, BF438853, AW971332, AU150246, AI859868, AI969680, AW594064, AU154341,</p>

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HLYBC81	1343	588490	1 - 1806	15 - 1820	AI631981, BF197899, AA983199, AI869094, H72760, BF698704, AW051429, AA814653, BE047018, AI654440, AA806606, BF699964, AA847181, AI493726, AI420747, AI344822, AA724922, BF944600, AW750528, BF131481, AI823395, BF826444, AA827772, AV757180, AA731606, AA651893, AL042753, AA433996, AL159997, AL354696, AL157713, AL137787, AC006948, AC002542, AC002554, AL031599, AC018644, AC005393, AL139109, AL049697, AL159169, AL136362, AL033528, AF001905, AL136131, AC006251, AJ271735, AC004531, AC007023, AC008543, AC022215, AL391684, AL160231, AP000354, AC018639, AF265340, AL035422, AL035443, AP000346, AL132825, AC002476, AC006029, AC011742, AC007221, AC006536, Z84466, AL139350, AL035089, AC008079, Z99571, AC004081, AL049646, AC010382, AP000552, AC007458, AL137251, AB023058, AC008831, AC007880, AC009477, AP000521, AC009196, AF003529, AL121652, AC000085, AC012064, AL109921, AC020655, AC003071, AC005191, AC002416, AC066590, AL050343, AC005002, AC006017, AL136297, AL117382, AC009288, AL135978, AL022328, AC006050, AL122023, AC000073, AC004941, AC004470, AC005250, AL137016, AC008555, AL157791, AL138733, AL139395, AC004842, AC004900, AC005682, AL121823, Z78022, AL161666, AL133553, AC007249, Z94056, AL136991, AL138743, U52111, AC006328, AF216667, AC020629, AC007277, AP001760, AL109753, AP001671, AL163206, AC004225, AC011450, AC012614, AL080316, AC002429, Z99297, AL078600, Z96074, AL138815, AC012005, AC019227, AC006343, AC006139, AL022723, AL009028, AL096700, AP000365, AC007037, AL121958, AL024497, AL355481, AC008518, AL137017, AL031433, AC022335, AL161422, Z93928, AC009721, AC007064, AC004024, AC037423, AL354943, AL442166, AL391122, AC007364, AL121754, AC007349, AC010223, AC005993, AL031407, AL079304, AC083862, AL445677, AC004953, AP001713, AL136325, AL035552, AL163284, Z92844, AC009194, AL024507, AC018897,

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HLYBD09	1344	610019	1 - 1970	15 - 1984	AV708350, AW090566, BE048806, AW063928, AW063924, AI833130, AI984597, F35684, AA488419, N63735, BE908214, BE045105, Z30049, BE139139, AI250552, BE042006, AI284543, BE139133, AI915081, BF916055, AI302350, AA603567, AI254770, BE138387, AI251284, AI251034, AI251203, AI223626, AI249853, BE877807, AI356440, AI054090, BF854170, AA132513, AA664126, AW502078, AA582746, AU140403, AW297815, AV762408, AL042667, AL042670, AA807762, AI251241, AA015948, AC008745, AC005725, AC005280, AL135960, AJ131016, AL445687, AL355984, AC004650, AL133545, AB045360, AC007773, AC004038, AF196972, AF196779, AC026770, AC006001, AL133249, AC008760, AC006195, AL158836, AC008403, AC003686, AL031673, AC006115, AC004849, AL031681, AC002527, AC068799, AP002533, AL160007, AC007999, AL139109, AC007193, AL133334, AC004883, AC003029, AL157826, AL354680, AC009477, AC005913, AC018644, AL162571, AF205588, AC004019, AL034351, AC004551, AF196971, AC008273, AL031737, AC004813, AC083874, AC018448, AL357512, AP000345, AC004605, AF235098, AL132987, AC005747, AC036103, Z98946, AC011491, AC011287, AC023880, AL078463, AC005288, AP000346, AC009276, AC020550, AL138741, AL121868, AL034377, AL121949, AC019212, AC026239, AC007671, AC008750, AC074331, AL121933, AC005821, AL133284, AC004999, AC004820, AC008474, AC008854, AC007912, AJ009615, Z98051, AC010363, AC004223, AP001719, AC005157, AF224669, AL359382, AL034372,

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HLYBL67	1345	834538	1 - 775	15 - 789	M91493, AW975161, AW975952, AW979076, AW970969, AW970936, AW973825, AW979211, AW976024, AW973103, AW975941, AW970877, AW972651, AL119483, AW978198, AW975143, AW979090, AW974658, AW975626, AW973101, AL119444, AW973190, AW969772, AW973252, AW973808, AW974986, Z99396, AW971953, AW973278, AW972783, AW979173, AW971097, AA719433, AW970800, AW973116, AW979204, AL039085, AW973189, AW969694, AW975229, AW975287, AW973200, AL038837, AW972609, BF210608, AW979252, AW975564, AW973811, AW972786, AW971975, AL037051, AW979228, AL036725, H54252,

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HLYBM38	1346	608154	1 - 340	15 - 354	AW576148, AI418662, and AA946876.
HLYBN23	1347	667995	1 - 1473	15 - 1487	AW130485, AW468311, AV738722, AV740060, AW074398, AI570261, AA515751, AV735370, AW851028, AI267847, AI499503, BG222267, AW249224, W60516, BE139371, AV741940, AV758994, AW265197, AW086257, AV761608, AV759580, AI371593, AF074677, AV762707, T39598, AL039083, BG014866, AA599141, AI064864, AW088718, AV740801, AW419262, BF680483, AV761584, BF381840, AV761403, AI612152, AA714595, AV764285, AA584581, AI431303, AI499487, AW069427, AV762015, AL036706, AV763449, BG105817, T29360, AV761188, AV760106, AV759267, AI358229, H64777, AA340003, AA654627, AL138265, AA515435, BF954967, AW833862, BE301175, BF808370, AI349874, AI311505, BF908593, AV757306, BE152094, AV764035, AW836456, AV759329, AW957586, AI561335, AV760057, BF807784, BF887156, BE151726, BF942454, AW475047, AI205126, AV733296, AV761489, AW467679,

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HLYBN71	1348	604785	1 - 806	15 - 820	AC012083.
HLYBS25	1349	726713	1 - 737	15 - 751	AW081455, AA830533, AA809311, AW075842, AI263515, AA251925, AA806283, AA731194, AA909635, and AA729904.
HLYBT28	1350	608152	1 - 1070	15 - 1084	AC004777, AC005840, AC007216, AC020916, AL031602, AC007637, AP000134, AP000212, AL080243, AC007225, AC011895, AC010203, AP001711, AC011491, AC009032, AL031680, U95742, AC005839, AC005911, AC000025, AP000030, AL121586, U62317, and AC005523.
HLYBU15	1351	598901	1 - 1389	15 - 1403	AI732347, AI732495, AW270737, AI791287, AI791450, AA502987, AA523702, AW970580, N67598, AW893937, BF983585, AW893941, AI950751, AL137008,

095008-091201

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HLBY04	1352	596819	1 - 1552	15 - 1566	AA828834, AW969667, AA228349, BE062476, BE062478, AA535216, AI755214, AW576251, AI754567, AW500684, AI754105, AI362442, AA809546, AA547979, AV763026, AV763058, AW962611, AI216990, BG000961, AW502873, AL046519, AW021917, AI278372, AW513870, AI281561, AI249688, AW504224, AW833047, AI884383, BF725884, AV762454, AW131356, AW819860, AI086646, AW078909, AI457152, AI038304, AW500250, AW819125, AI249365, AA309129, BE968744, AA579152, AI569100, AA829044, AA228338, AW341978, BG054730, AW192599, AV742072, AW103406, AW798093, AI077941, AC008551, AC008812, AC008372, AC002470, AC004685, AC009024, AL136137, Z95116, AC011742, AC015651, AC004971, Z99716, AP000347, AL035079, AJ277546, AC007371, AC011495, AC011455, AC002073, AL121890, AL158040, AC005080, AC005215, AC004975, AL158830, AL133353, AC000353, AC006994, AL109801, AC006449, AC002072, AF111169, AC003957, AP001670, AL096700, AC011811, AL035684, AL035587, AP000346, AC007686, AF165926, AC005254, AC006483, AF031078, AP001725, AC011444, AP001727, AF030876, AC007263, AL136172, AL358777, AL050321, AL031311, AL031848, AC005832, AC010618, AC008519, AC008733, AC005332, AP000692, Z97352, AL035458, AC007308, AC006468, AC004755, AC011475, AC005004, AL022316, AC006457, AC006014, AC007690, AC005412, AC007934, AL078461, AL035072, AC026431, AP000505, Z97054, AL133453, AC010643, AL020997, AC002553, AP000502, AC005037, AC006080, AC021016, AC004650, AC010267, AF134726, AL365505, AC002543, AP000501, AF053356, AC002544, AC002400, AC010328, AC008569, AP000552, AL353802, AL133153, AC004832, AC004966, AL354943, AC011497, AC008736, AC007597, AL035659, AC005924, AC011479, AC005527, AL035405, AP001716, U47924, AC011491, AC008521, AL354696, AC004750, AC005529, M13792, AL139342, AC012351, AL121891, AL031673, AC008543, AC007098, Z98742, AC004815, AC005568, AC004166, AL139396, AL049759, AC002302, AC007016, AL356575, AC005914, AL499628, AC004560, AL049830, AC004955, AL096791, Z93017, AC005411, U91326, AC005777, Z81313, AC006251, AL035423,

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HLYCE15	1353	621407	1 - 654	15 - 668	BF822118, BF823417, AV718260, AW965008, BE066968, AL048925, AL119984, AA581903, AV762154, AC021016, AC005730, AC009244, AL109804, AL356299, AC005060, AC004966, AC003681, AC011500, AC010422, AC021999, AC005523, AC020754, AL031577, AC008543, AC027319, AL450224, AP001748, AC007465, AL161670, AL450226, AC022150, AL137039, AF123462, AC004814, AC006285, AC007376, AC011742, AL354720, AC000004, AC009007, AC005280, AL049776, AL121852, AC007842, AL031668, AC002984, AP000305, AL163303, AX015915, Z82245, AC012067, AL035662, AC008753, AL163201, AC007102, AC010271, AC023344, AL354872, AC007919, Z69705, AC011442, AL021154, AL008582, AL009179, AL121655, AC005527, Z93930, AC002369, AC004840, AC004019, AC023490, AC007782, AL023575, AP000432, AC004972, AC019227, AC004754, AL365400, AC004166, AC007666, AL365509, AC004867, Z83822, AP001727, AC009483, L48473, AC019289, AC019289, AC019289, and AC026618.
HLYCH04	1354	608295	1 - 299	15 - 313	BF809786, AL117258, and AL049646.
HLYCY48	1355	607489	1 - 1068	15 - 1082	AC002410, and AC002410.

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HLYDE38	1356	735987	1 - 1302	15 - 1316	AA568969, AL134524, AW968212, AW968347, AW970108, AW968338, AW968181, AW970540, AW979211, AW969988, AW975626, AV761613, AV761547, AV759340, AW970927, AV759919, AV759149, AV759675, AV711430, AV702659, AV764034, AV762633, AV764460, AW979204, AW979295, AW970942, AV706448, AV763457, AV702738, AV705299, AV764228, AV703460, AV759660, AW971299, AV762743, AV761524, AW972817, AV713194, AV756426, AV729657, AV703187, AV762228, AV759719, AV702857, AV735206, AW974932, AW970070, AW961606, AW970101, AV755245, AW970116, AW979097, AV764379, AW968147, AV759417, AW974075, AW974897, AW969625, AW971291, AW970987, AV761879, AW968148, AW969698, AV764047, AW969911, AW979243, AV648591, AW974806, AV755209, AV763558, AW968190, AV728609, AV713822, AW950748, AV725095, AW970551, AV760481, AW970936, AW970984, AV728841, AV763410, AV713976, AW969624, AV709273, AV756926, AV710232, AL038983, AV756508, AV734121, AW969633, AW970020, AV734690, AW972869, AV711465, AV702760, AV763275, AV702343, AW979037, AV761107, AV762103, AW979306, AW974086, AV755272, AV756702, AW969778, AV734859, AW972375, AV704541, AV761656, AW969650, AV733289, AW966064, AV712679, AW967329, AV762343, AV763419, AV764056, AW974665, AV759507, AW972154, AV760106, AW979212, AW973810, AV763230, AV762706, AV733627, AV762843, AW975043, AW970941, AV733029, AW969798, AW979093, AV762098, AV759153, AV734853, AW971160, AV762015, AV733830, AL038761, AV764263, AV764035, AV734524, AV760488, AV763290, AW972667, AW968200, AV763276, AV759954, AW970079, AW973254, AV710761, AV760721, AI142134, AV758067, AW964860, AW975596, AW974752, AV713243, AW968204, AL037727, AV759329, AW979253, AW979208, AV734272, AW968207, AV762223, AV758896, AW974935, AW974393, AV731793, AV760371, AV755881, AV759191, AW971968, AV763376, AW970069, AV760777, AL038838, AV713389, AV758496, AV761022,
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HLVDG55	1357	835625	1 - 708	15 - 722	AW975405, AA714999, AW974932, AA662590, AW979093, BE672637, AW975373, AA595499, AI612142, AI887235, AI583252, AW972919, AW969667, AI733856, AW500684, BF681619, AV760508, AI793172, BE139358, AI793209, AV734149, AI192631, AA536040, BF526964, T74524, AV741663, AI696962, AI754336, H07953, AI061313, AV711430, AA659832, AW973259, AW969941, AA572813, AA578690, AW964231, F08248, AV729809, BG222813, AW576326, AV760915, AA535216, AW973992, AA177011, AI251576, AA084609, AI583466, AA507822, AA714110, AI017251, AA632757, AI609972, AA662046, AA828047, AW968188, AC005236, AC006441, AL031005, AC010150, AC011442, AC020908, AC002301, AP000022, AC005519, X74558, AL121891, AC007383, AC009263, AC007136, AP001426, AC004104, AL354836, AL021155, U18388, AL031658, AP001725, AC008753, AP001728, AL034420, AL137073, AF156673, AL031279, AL049776, AF254822, AC006430, AP000065, AP001711, AP001731, AP001717, AL160175, AC011500, AP001670, AL031295, AC002045, AL031775, AC008482, AC002350, AC005288, AC004973, AC008379, AL022336, AC006130, AL354872, AL356299, AC004840, AC008403, AP000300, AL096870, AC007282, AC008072, AJ009611, AC005520, U96629, AC007376, AC020904, AC005920,

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HLYDO73	1358	584787	1 - 844	15 - 858	
HLYEA60	1359	685469	1 - 1192	15 - 1206	BE536261, AA747309, AW958312, AW793419, AW793459, AW793442, W45629, AI760637, W45385, H99024, BF378314, AW590022, BE173254, AI859763, AI093439, AA863257, AW793464, AI571233, AI285894, AW007223, C18227, AI218203, BE046090, BF593295, AA311250, W73986, C17829, N20899, W79227, T84035, C16657, AI191925, T19326, W93279, BE501924, AA748080, AI217630, AA232730, T91442, AA287956, AA526798, AW889460, AW008649, AI537583, C16619, C18858, AA913586, BE895524, C17101, D79021, C16702, W93280, AA705298, N30945,

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HLYEJ14	1360	853362	1 - 2088	15 - 2102	AW317024, AW574558, AA746352, BE049401, AW504231, AI983895, BF902187, AI439194, AW976960, AA769424, AI439972, AA862340, AI439981, AW452610, BF926363, BE387208, AI985335, AA715743, AW327790, AW451699, AV741156, AW401700, AA873734, D89974, AJ132100, AL032821, AJ132099, U39664, AL032821, and AL032821.
HLYEJ44	1361	838149	1 - 1275	15 - 1289	BE867020, AI478611, AW135035, AI493335, AI796551, AI205153, AI763397, AW452868, AW024931, AI770003, AI860167, AW300835, AW236836, AI039293, AA312699, AI033837, BF196530, AI587364, BE047902, AI700805, AI364782, AI631435, AW516669, AA461101, AA741034, AA310989, AI671731, AA449433, BE464413, AI373338, AI247252, AI621029, AI989810, AA448924, BF092110, AL134524, AW858522, AW861944, AW858525, AL038878, AW601637, AL134110, AW577201, AL045327, AW972845, AW970050, AW577199, AW979127, AW969911, AW968212, AW969791, AW979047, AW975037, AW969696, AW969988, AW975002, AW972292, AW976024, AW975965, AW971290, AW970070, AW975032, AW858455, AW970977, AW972649, AW971737, AW979098, AW973717, AW970619, AL045328, AW971403, AW974393, AW975031, U46344, AW974658, AW979134, AW969643, AW972897, AW974791, AW858490, AW970612, AW979002, AW968347, AW969793, AW974096, AW971725, AW971301, AW975984, AW968204, AW972273, AW971168, AW969778, AW971149, AI142134, AW975391, AW973652, AW971114, AW971126, AW973214, AW972642, AW971738, AW969748, AW975954, AW975104, AW968336, AW975152, AW971982, AW969784, AW971108, AW972293, AW969785, AW973774, AW970886, AW970079, AW975019, AW971968, AW974346, AW974390, AW972717, AW974801, AW974098, AW972686, AW974800, AW975876, AW979204, AW969921, AW975048, AW979070, AW979105, AW971038, AW975628, AW970973, AW975632, AW971299, AW972849, AW974786, AW970094, AW972279, AW979238,

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HLYEU51	1362	607815	1 - 854	15 - 868	AW969743, AA508036, AV762633, T74524, AV738383, AI984168, AW970571, AA483606, AW189113, AA570740, AW865946, AA243976, AI620808, AI499954, AA084609, AA984920, AW338035, AW338021, AA568204, AV732578, AA487226, AA525293, AL353748, AC004166, Z85986, AL354829, AC002470, AL132639, Z97053, AC010527, AF196779, AL133283, AC003982, AL121758, Z95152, AP001725, AC068799, AL096870, AC011465, AC005399, AP001748, AC005736, AP001631, AC004971, AC011510, Z99716, AL096701, AC005088, AF024533, AJ003147, AL021154, AL109758, AP000510, AL133448, AL117694, AC009362, AF045555, AC005899, AC011895, AL035587, AC010463, AL033521, AC008521, U91326, Z83844, AL035419, AL139352, AC074338, AC002310, AC002316, AC005052, AC005911, AL109801, AC008969,

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HLYGV19	1363	826334	1 - 2915	15 - 2929	BG110964, BF795642, BF338736, BF344299, BF339610, BF344724, BE905985, BG171717, BF663359, BE878057, BF344117, BF797494, BG110428, BE779728, BE548198, BG113392, BE514891, BG105728, BF342409, BF344895, BE731592, BF344700, BF326253, BG107408, BF337274, BE873119, AA029404, BF339289, BE537561, BE546615, BF215522, BF348090, BF341943, BG106809, BF974666,

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HMABK52	1364	853363	1 - 1127	15 - 1141	BG236112, AA077863, AI698837, AI222389, AW629123, AU146072, AI051228, AI214201, R93426, R93413, AA737281, AA348791, AI719587, AA737012, AL354864, AC006026, AC024086, AC009358, AF118076, AC009313, AK021913, AC004491, AC005159, M98512, AC004167, AF001549, AL031432, AC008569, Z82242, and AL035685.
HMACF34	1365	853364	1 - 1271	15 - 1285	AI891064, AV714449, AV712559, BE674242, AW236328, AI471727, AW468584, AW514930, AI921478, AW339517, AW028025, AW339648, AW630256, AW473331, AW337867, BG150095, AW170756, AV711671, AW468076, AI678984, AA742417, AI587123, AA789153, AW075931, AI285693, AW075991, AI476289, AA505451, AW468276, AA579913, AA872393, N22030, AI640380, AI337611, AW339605, AW578597, AI278579, AI268795, AW467495, AW440842, AA554703, BF356296, AI803881, AI925062, AI000587, AW467476, AW028424, BF897815, AI926675, AW341744, AI587383, AI499956, AI270555, AI707579, AI247317, AI472750, W04167, AW082436, AI866984, AW236183, AW195312, AI354246, BF897823, AW578573, AA705051, BE870187, BE305000, BE720836, N63943, BE617809, AI215918, AW195136, AA703103, BE934684, BE934674, AW339609, AI968541, AI917962, BE934644, BE934614, AW075709, BE934661, AI536737, AI434277, N22036, AW379062, BF831846, AI274699, AW087343, BE720840, BE720835, BE934676, BF903996, BE934715, AW236341, AW190716, BE327733, AA910528, BF357376, BF357342, AI523270, AA494473, AW468368, AW059561, AW057934, BF089709, AA879139, BE934606, AI249491, AW467816, AW380658, BE042475, D20133, BE934609, BE934608, BE934635, BG151221, AW337879, AA937232, AI926256, BF089507, AV712205, BE327649, AV711904, AW076032, BE150973, BF357380, AW440838, AA347359, BE934672, BF833053, BF832548, BG055537, BF902176, AW409161, BE934611, W03915, BG149243, BF089703, AW467784, AI926257, BE962215, BF089478, R97933, BE934604, R92746, AW869066, AI567061, BF900579, AW148316, AW090246, BE934653, BE549820, AW029592, AI824773, AW195281, AI567062, BE720834, BE934668, AW869111, N98412, BF357426, AV715354, AW468022, AW075813, BE934610,

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HMACL77	1366	853365	1 - 1782	15 - 1796	AL535251, BE866849, AL535250, BG025931, AI816243, AI744420, BG167181, AI114762, AL523363, BE620336, AA446532, BG108972, AI742048, AA651718, AW964252, BF969758, AW237422, BE874836, AI755225, BE536811, BF439367,

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HMACT74	1367	843744	1 - 756	15 - 770	AI571519, AI434247, AA223663, AV733131, BF238090, BF976312, AW406531, AI755155, AI922162, AI554482, AW613097, AW574604, AI565132, AW016103, AI278033, BE264874, AI188638, AI682711, AA995528, N99151, AA903690, AA527870, AI079183, AI200240, AI188845, AI886732, AI220751, AI150068, AI082047, AW615477, AA714344, AA781519, AW188063, AA777477, AW264880, AI167900, AA826501, AW105541, AI298931, AI924336, AW104640, AA741557, AI340162, AA470693, AI304514, AI917561, AA662159, AA482541, AI189607, AI337564, AW974773, AA543075, AI445044, AI360250, AI814445, AI304326, AI871185, AI285332, AW009803, AI689390, AW264443, AW665755, AW247803, N93055, AI188496, AA160539, AA456591, AW050849, AA974351,

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HMADJ14	1368	843725	1 - 1430	15 - 1444	AI268407, BE162690, AI831182, AW450309, AW295136, AA380009, and AF305068.
HMADJ74	1369	795479	1 - 1878	15 - 1892	BE162690, AI268407, AI831182, AW450309, AW295136, AA380009, and AF305068.
HMAEA58	1370	872563	1 - 2495	15 - 2509	AL521279, AL521278, AV716282, BG171513, AV757197, AV756783, BE896824, BE891445, BG110748, BF216828, AL037737, AV661144, BF439692, BF977303, BF130000, AW961787, BF210605, AW993982, AW021410, BF105931, BF589764, AW402551, AW963313, BE542958, AW500088, AW167823, AW294175, BF217786, AI093866, AA574176,

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HMAGF01	1371	837235	1 - 2087	15 - 2101	AL522121, AU133112, BG177563,

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HMAJS26	1372	831093	1 - 1308	15 - 1322	AL534848, BE729938, AU126433, BG035271, BG180060, BE277787, BF337499, AW291028, AA423875, AA423837, AW087182, AA209244, AI802203, BE886087, AI149868, AI218592, H15124, AA807339, AU158273, AI570646, T90789, AI739439, AA994646, AW840714, AU149990, AA845650, AI671879, AI699947, AA758717, BE885913, AW374652, AW235833, AV753372, AA504557, BF340330, BE774284, BF772270, BF509743, AA628899, BE005336, BF850364, BE819067, AK001309, AC004812, AC004812, AC004812, and AC004812.
HMCED78	1373	829071	1 - 1097	15 - 1111	BF206962, BF305074, BF305149, BF439108, AI268268, BE395507, BE385088, AI819416, BF055525, AA947965, BE467664, BE857149, AI688717, AW027310, BF589303, AI336199, BG179674, AW967435, AI672288, BG150003, AI828977, AI421864, BE541981, AA402255, AA456227, AI183357, AI279126, N30912, AI570596, BF002580, AI817223, AI871749, AA534311, AI161234, AI347720, AI672691, AI814234, AI693829, AI459084, BE296960, AA411630, AA236940, AA237089, AI217696, AI758234, AI928989, AA454620, AW268877, AW051826, AA830345, AI168163, W15416, AW014577, AA886902, AA570688, AA906799, AI332391, AW470301, AA436137, AA402751, AI311662, AI276098, AI275571, AI800622, AI082789, AW025981, BF439499, AI094730, AA969974, AA828389, AI991821, BF149343, AA830779, AI206074, AI929238, AI091493, AI268847, AA436029, AI094024, AI693502, AI042392, AI242442, BE152615, AA443110, AI493464, AI000713, AI079484, AA456175, AI924771, AA189004, AV653110, AW575883, W02975, AW013901, AI209029, T54423, AI800570, AA714094, AI167951, AA975695, AA962315, AI269894, AA649829, AW404973, AI095104, N72262, BF740208,

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HMCFN86	1374	886182	1 - 1500	15 - 1514	AL518168, BE889902, AV725234, AV707132, AV705730, AV703442, AV703864, BF307323, AV702035, BF342790, AV755361, AV701200, AV716235, AV653887, AV707916, AI061586, AV705444, AV707474, AV716871, AV713905, AV704583, AV704554, BE870844, AV728599, AV691633, AV703439, BE440168, AV757021, AV710273, AV704942, AV706918, AV701762, AV705553, AV729391, AV703133, AV722560, AV706251, AV706984, AV704634, AI110678, AV693397, AV725657, AV722875, AV705594, BE439879, AV715731, AV691628, AV697029, AL513649, BF568985, AV703872, AV703200, AV726910, AV646046, AV708253, AV722970, AV702679, AV723005, AV704910, AV649260, AV728892, AV709387, BE896539, AV690476, AV704487, AV689963, AV698374, AV709311, AV714358, AV715349, AV756718, AV729915, AV726936, AV701566, AV756640, AV711457, AV710693, AV705849, AV698289, AV702375, AI061658, AV724863, AV726724, AV724879, BE897050, AI133246, AV727198, AV715365, AV751353, AV721605, AV704443, AV700172, AV756333, AU123989, AV761023, BG254216, AV701857, AV716906, AV755862, AV710741, BE872110, AU124316, AV727096, AV703104, AV684242, AV700748, AV699497, BE439407, AV704842, AV757921, AV696266, AV725922, AV755351, AV705804, AV654712, AV734791, AV717675, AV718325, AV729894, AV757364, AV700280, BE880009, AV722085, AV694927, AV711078, AV700402, AV727783, AV753034, AV701863, AV716016, AV658754, AV692917, AV715473, BE870666, BE898942, AI499067, AV714577, BE439567, AV725134, AV705802, AV725505, BE885264, AV755833, AV705781, AV763789, BE899508, AV704601, AV699924, BE880299, BE874075, BE895037, AW961059, AV688733, AV701539,

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HMCJ47	1375	699850	1 - 2785	15 - 2799	AL529514, AU117125, AU141494, AU138413, AI065140, AU138493, AU138619, AU137502, AW749876, BE866979, AI065091, AU128037, AW749892, BF971017, N99167, BF212188, BF094612, AU128304, AW074186, AW073330, AI434820, AW966409, AW272690, BF888339, AU127159, BE315355, AU129573, BF110128, BF888340, BE293259, AW119058, AI521964, AA488588, BF970200, BF207886, AL046614, AI261605, AA424119, BE467152, N49937, BF028955, BF542138, AI392655, W96011, AI760337, BF031220, AW673758, AI263876, BF208239, AV748098, AW439919, BE327089, AW062523, AW630791, BF752780, BF573491, AA488447, AA424091, AA902722, AW027868, AW995950, AU128705, AW960550, AA035416, BE877698, W94865, AA973574, AI089675, AW514578, AI269059, AV652740, BE327860, AI242304, AV652727, AU129125, AW197336, BF218980, N52717, AA206043, AW513973, AI239744, AW383413, AI263472, AI269066, R15433, BF094871, AV660720, AW614200, AA173903, AI288434, AA424033, AA424050, T17474,

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HMCGK88	1376	654854	1 - 976	15 - 990	AV723597, AI479056, AI797884, AI861919, AI391628, BF664305, BF975449, AW958297, AA641802, AA700802, AI968087, AI246328, BG057390, AV695135, AI217528, AI955611, BG057389, AV695134, BE466504, AW575381, AV695479, AV696583, AW241513, BF906766, AW467369, AV693246, AV691048, BF975806, BF223278, AA236998, AA026162, AW449436, AI818572, BE466295, AI738417, W72588, BG056151, H77873, AW593724, AI739382, AW978131, W76151, AI267866, AA381548, AA353338, AA731494, AW511389, AI825699, AI760686, BG055680, BE207734, H77827, AA804626, AW444846, AA368952, AA302212, AI222649, AW294100, T97890, AA353813, AI347378, AA236622, AW815580, AI621355, AW512329, AI587076, AA311055, AA973718, AA977169,

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HMCIH27	1377	862038	1 - 1302	15 - 1316	BF725884, BF769368, AL079734, AA582073, AA054085, AA013168, AA019973, AW963463, AW474168, AW168420, AW995665, AW069769, AW897936, AI754653, AI732151, F23258, AW302659, AW302705, AA018207, BE138594, BF772474, BE139139, AV763026, AV763058, BE179205, AW970571, AW500684, AV702109, AW303098, AI251034, AW028429, AI056177, BF923179, AA515728, BG259319, AI174930, BF928469, AL119691, BF725844, AI251284, AI251203, AW591276, BE150796, BF926568, R81017, AW504224, AW169038, BE062478, AA515133, AI687343, AI284543, AW022834, AI798449, AW270771, AA372312, AU122466, AV763354, R94326, N54397, AL038705, BG223245, BE746531, AW576326, AA410788, BE744116, AI270117, BF681607, AA935409, AC020906, AL035079, AC002420, AP001670, AL096775, AC006160, AC005220, AP000240, Z97206, AC002070, AP000952, AP001705, AC078854, U91322, AC003690, AC004217, AL008627, AL139095, AL137787, AL137145, AC007539, AL356652, AC004822, AL157938, AC007011, AC008083, AF172277, AL133377, AL133372, AC006992, AC000085, AL136116, AC009311, AP000096, AC027341, AF109076, AL136969, AC007022, AP001712, AL356057, AC004066, AL033397, AC008685, AL009031, AF241726, AC020603, AL137786, AC008009, AC007948, AL035402, AL035464, AL031121, AC010223, AL161940, AL135798, AL049550, AP001752, AL049597, AC002072, AL022150, AF243527, AC005993, AL121578, AL122006, Z82215, AL034351, AC087087, AC009396, AC012081, Z83745, AC010142, AC004932, AL360227, AL157915, AF250325, Z92540, AL121888, AL445435, AC007298, AC010719, AL160192, AC005701, AC007630, AB020868, AL445143, AL023582, AL080315, AL157359, AC007243, AL021877, AL355889, AC004053, AL133383, AL034554, AC000004, AC007488, AL390738, AC004104, AL137782, AC007394, AL031680, AP000233, AC005683, AC005037, AL139187, AC005900, AC002565, AL355052, AP001692, AC008865, AL159164, AC007091, AL160033, AL353674, AC008753, AC008925, AF163864, AL117338, AL391829, AP001754, AC018664, AL136125, AL023807, AC073572, AC017016, AL050311, AF245226, AC016397, AL109840, AC013410, AC002326, AC004638, AL109921, AC010389, AC010235,

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HMCIQ20	1378	827296	1 - 1132	15 - 1146	R97501, R97500, R95852, R95851, AI935497, W04296, N76086, AV706522, BE150131, AL138001, AW770050, BF671491, AF085902, AL121928, AL354696, AC004491, AL121977, AP001631, AL136135, AL365505, AC000379, AC002288, AC004217, AC002312, AF196779, AC004913, AP001748, AL031428, AC004089, AP000088, AL162724, AC005291, AC004069, AC010326, AC005098, AC006460, AP000704, AC009247, AC005015, AL031311, AC018738, AL049759, AC008969, AC004166, AC009600, AL096703, AL133453, AC073934, AL121601, AK024214, AP000563, AC009086, AC004772, AP001694, AC002073, D88268, AC009032, AC013735, AC018758, AC005736, AC007546, AC008687, AL133467, AP000355, AP001760, AL356575, AP000133, AL135905, AC005288, AL022721, AF243527, AC005800, AC000025, AC002301, AF001549, AC002430, AC007284, Z93015, AC005081, AL049843, AC006515, AC007384, AL031985, AC025472, AL109623, AC008074, AL353802, Z73359, AC002306, AC004797, AP001624, AC005730, AC008635, AC027644, L78833, AC009501, AC002091, AL133551, AL024507, AC002492, AL080317, AC069539, U47924, AC006038, AL356299, AL109804, AC004794, AL163278, AC009362, AC006597, AP001714, AP000140, AL031431, AL158830, AC004531,

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HMCJC19	1379	845309	1 - 531	15 - 545	AA558958, AA411803, AW973942, BF359319, AW613384, AW081970, AA568436, AV702035, AV728436, AW966389, AV706229, AW964468, AV705869, AV706147, AV704180, AV703542, AV705134, AV706910, AV704660, AW964541, AV705453, AV707151, AV704694, AV727782, AV701643, AV702149, AV707511, AV702322, AI535660, AV726502, AW966330, AV702041, AV727954, AV705520, AV703766, AV727978, AV706669, AV705178, AI536138, AV727314, AV705680, AV645577, AI535639, AV707329, AV726812, AV703591, AV727768, AV703274, AV706028, AV706851, AV707146, AV709729, AV705550, AV728309, AV706223, AV705518, AV728138, AV728874, AV702463, AV707002, AV728464, AV702110, AV704568, AV701751, AV703738, AV727848, AV725067, D80045, AV703266, AV726392, AV727499, AV702266, AV728726, AV702458, AV726054, AV706459, AV727238, AV705135, AV727583, AV727095, AV707576, AV725948, AV727312, AV649942, AV727080, AV706661, AV707189, AV704637, AV702984, AV703366, AW949642, AV729255, AV702964, AV724520, AV727316, AV701544, AV726572, AV726542, AV728117, AW945159, AW950095, AV702700, AV725900, AV727935, AV729131, AW949643, AV705757, AV706289, AV706677, AV705392, AV707097, AV729388, AV690546, AV704077, AV705338, AV729499, AV701875, AV647305, AV706745, AV725260, AW952829, AW949384, AV709886, AV705992, AV647654, AV725776, AW963354, AV707822, AV705147, AV726250, AW954665, AV706874, AV704098, AV727100, AV702777, AV658702, AW967182, AV708703, AV702830, AV726480, AV703459, AW956682, AI536150, AV645545, AW952361, AV725483, AV705900, AV709087, AV709635, AW952590, AV702659, AV726388, AV682980, AV727280, AW957300, AV704376, AW949863, AW966767, AV703509,

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HMDAB44	1380	603176	1 - 592	15 - 606	<p>AW103601, R08605, AA365362, AA592915, BE391298, BE408377, AI732656, BE154437, AI217313, BE094775, AW104739, BE276881, AL524755, BE408033, BE896295, AI904111, AW300478, W88502, H70430, AA780433, AW474960, AW856775, AW864413, AL120269, AA814876, R55511, AA601491, AA303160, AW861732, AA846063, AA343789, R07665, BE730001, R10747, AV703231, AW965070, BE870073, BG254383, AU124571, BF246359, BG171447, BG258665, BG177217, BE276970, R98152, N69664, AA419465, AA147159, AA317856, AA146980, R78960, AL163249, AC007422, AL022323, AC008752, AC006337, AC004968, AC004815, AC005011, AC010627, AC016656, AC016652, AL135839, AC009362, AC007073, AC009542, AC006064, AC009330, AC008747, AL135749, AL050321, AC005484, AL133332, AL031733, AC005294, AL137225, AL133387, AL080314, AL109837, AC008088, AC004702, Z84483, AL353771, AL121911, AC002091, AC007428, AC005529, AC010305, AP001715, AF015720, AC018801,</p>

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HMDAE88	1381	638222	1 - 1021	15 - 1035	AW079659, BF684828, AL038785, AA522942, BG029216, AW088202, AA523815, AI625244, AV728632, AI570261, AW972871, AI679782, AV728309, AW977134, AI368745, AV729947, AA768905, AV763777, AA582911, AA482711, AV710306, AU148742, AA837084, AW162049, AI929531, AI339850, AW969698, AW969694, AW029038, AI962050, AA504871, AI064952, AA873560, AW088616, AA767376, AV719311, AI251436, AV719316, BG254180, AV762098, AU145462, AI918421, AA644207, AI567674, U51696, BE787738, BE389903, BF677892, AA490183, AI251002, AA713815, AW166815, AA550758, AA496260, BE277602, AA634146, AW104748, AA488573, AI049722, AA486885, AI608626, AI284640, AI133636, AI917271, AW440836, AI890923, AW406755, AW080134, AL046409, BG249643, AV760777, AV752696, AV761362, BE390977, AI334443, AW303196, AI469003, AA826303, AW020992, AI963720, AA729721,

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HMDAG62	1382	825493	1 - 2400	15 - 2414	BG027751, AV705347, AW956345, AV729315, BF692323, BF241655, BE767694, BF213258, BF216911, BF246864, BF218149, AW473751, AI264148, AI264127, AW769163, BF382960, AI368027, BF246969, BE646282, AW665923, AA018615, AW137294, AA863325, R49075, AA021184, AW023869, H06491, AW592879, AI803253, AA018047, D82483, AA001590, AA018068, BF676230, AI186369, AV749318, D82314, F12069, T66370, AA018048, H39218, H06549, AA016141, AW264687, AA021183, R15991, H39228, R34538, H16337, AW262980, AA665624, AI215603, AA377230, F09709, H16305, D82278, AI933669, T10677, C20732, AA015866, AA358214, T66313, T66617, AC009019, AC009019, and AC009019.
HMDAK20	1383	604990	1 - 568	15 - 582	AC020668, AC021709, and AC015822.
HMDAM08	1384	638224	1 - 1412	15 - 1426	AL359831, AL136964, and AL359745.
HMDAM39	1385	602907	1 - 698	15 - 712	BE675505, AI583433, AA736483, AI829804, AI744348, BE242193, AI348780, H40478, AA634071, AC010419, AC016655, AL035251, AL365505, AC011477, AL079340, AC005924, Z97196, AC006254, AC002400, AL121928, AC010521, AC006330, AL049872, AK026251, AP000351, AF240786, AC011551, AF241735, AC002073, AL391839, AL359382, AC000052, AC004821, AL022329, Z84480, AC007666, AF288992, AC005921, AC007868, AL031587, AL121989, AC005200, U91318, AC026704, AL109984, AC004388, AC003982, AL157414, AC005531, AC005005, AC002094, AP000239, AC006213, AF001548, AL121891, AC004478, AC007308, Z97985, AP001705, AL133163, AL031685, AC025588, AC005088, AC000025, AL035587, AL033528, AC005527, AC007993, U52112, Z84487, AC004448, AC020629, AC008569, AL133418, AL356575, AL109980, AC012351, AL160231, AC006441, AL353748, AC012085, AC004922, AL031295, Z84718, AC005261, AC010458, AL138812, AL049576, AP001712, AL353701, AC018751, AC006317, AC007671, AC004067, AC007421, AC004148, AL109806, AL035420, AC005529, AL034417, AC024085, AP001726, Z97184, AP000240, AL022165, AP000467, AP001052, AL031311, AL022318, AC007546, AR036572, U91328, AL121601, AC005940, AC005971, AC010419, AC010419, AC010419, AC016655, AC016655, AC016655,

HMEAA41	1386	587304	1 - 1688	15 - 1702	AC018548, AC018548, and AC018548. BG250130, BG026465, BE743873, BG253034, BE784787, AW451305, AI344021, BE877548, BG111497, AW291138, AW301011, AW957567, AA987443, AA053639, AI857592, AI970699, AI091705, BF732342, AI857395, W95085, AI672211, AW296632, W68473, AI672192, N72020, W95086, AA055374, AI970736, AI167891, BF109883, AI807860, AA678634, AA232272, BE935885, BF762402, H23090, AI090458, AI279954, AW886716, BF762425, BE185755, AA053760, AI216338, AI022622, AI499716, AI377762, H23091, AI494274, AA055841, N98522, AW864092, AA378218, BE382707, AA868660, AA703978, AA977293, N99472, AW139852, AA303389, BF316838, BE262654, W31086, AA742634, AA568185, AA936523, W68146, BE185599, AW237012, AI198162, AI363952, AI753992, AK025935, AF258545, AL121672, AL121672, AC025743, AC025743, and AC025743.
HMECM77	1387	581822	1 - 1706	15 - 1720	AI218329, AC006559, and AC006559.
HMEEH21	1388	603187	1 - 491	15 - 505	AL353776, AL353776, AL357496, and AL357496.
HMEET36	1389	603197	1 - 471	15 - 485	AL134605, AI041815, AA779769, AA523853, AW009821, AI767696, BE350172, AI467994, AW071481, AI769357, AI768094, AA508172, AW168032, AW172936, AI078244, AI271453, AI312067, AI870702, N70078, AI969485, AA169365, W88496, BF590966, AI624227, AI365152, AI022476, AI658866, BE243517, BE783359, H28732, AI277278, AI693777, AA150762, Z39079, T33376, R63838, AL079478, AW576807, AW576805, AW576816, AI888868, AI888866, AI888859, AI372819, AW576813, AI080355, BE538291, D55983, D62808, AI034000, T62194, AW513794, BE935161, AL161420, AB028981, X68101, AL353574, AL353574, AL353574, AL357553, AL357553, AL357553, AL161420, AL161420, and AL161420.
HMEEZ07	1390	638225	1 - 1993	15 - 2007	AW956054, AA333601, AI942327, AA005034, AA004558, AA004568, BE275928, BE772335, BE185759, AI961134, BG015801, AU117691, BE728395, BG032152, BE798417, BF125868, BF183133, BE386638, AW956823, AA348159, BG015805, BE904223, AL031178, AF176704, AC074331, AL031178, AL031178, AL162581, AL162581, and AC025085.
HMEFB15	1391	596820	1 - 1485	15 - 1499	BF896654, BG056037, H77655, H77656, AC007240, AC007240, AC007240, and AC007240.
HMEIH57	1392	840370	1 - 1612	15 - 1626	AU117048, AC006466, AC007611, AC013738, AL161777, AL135912, AL049875, AL022337, AL031183, AL031119, AC010175, AC008791, AL163209, AL133500, AC007740, Z98946, AC005863, AL390027, AL390768, AC003683, AC004911,

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HMEIJ21	1393	767276	1 - 2383	15 - 2397	BE409562, BG030410, BF348149, BG248660, BE884381, BE515202, BG168824, BF312553, BE311468, BG030381, AV700543, BE311464, BE277436, BG180015, BF206984, BF982183, AW401587, BE386116, AI791733, AI186666, BE389318, BE675753, AW082290, AW261819, AI582235, AI923861, AI733423, BE858619, AW401585, AA034502, AW025899, AI923461, BE676188, AA601538, AI368066, AA279106, AI073451, AW275946, AW512757, AI697431, C17878, AI635654, BG177627, AA743237, AI085307, AW614811, AW062388, AI744390, AI687704, AI952487, AA496076, BF589052, AI359767, AA278843, AA622950, AI023202, AI679355, BG253479, AW176719, BF974978, AA643661, BF871023, AW516328, AI584072, AI598167, BE350491, H07061, AI347420, AI582931, AA921925, AW959457, AW403038, AA918089, BF338508, N52992, H13318, BE292831, AI085302, BE140882, H96929, AA807882, AI961257, AA063318, AI829853, H07062, BF872896, AW292750, AA054731, BF944503, AA836647, BG056082, AW026990, AI589406, H43157, AA759154, R40014, R13953, AW151146, AA583559, R13644, AI366516, AI271948, AW080130, AA074128, AI580964, AA740815, AW079491, AI914663, BE838739, Z42175, R52685, AA406075, AI857247, AI914835, AV718896, AI701788, BG036228, BE732066, BF881535, AA300669, BE140897, BG164271, AI167197, D44930, AW340889, AA835728, BE713052, AI784030, AI002358, AI940138, AV719551, BE140898, AA054738, AI083786, BF881534, AA908445, AA012879, Z38432, BF183164, BE140828, AA526048, BE719133, AA863181, BG252369, AA464554, AA806696, BE269145, AA323070, BE396584, AI687300, BE906034, BF869004, C21388, AK024450, and Z92544.
HMEIX79	1394	778077	1 - 627	15 - 641	AA806216, AI817576, AI031801, AI143563, BE645676, AI366792, AA088206, AI126534, AW043634, BE219165, AI419911, AA452463, N92554, BE709888, BE932147, AI191811, AI239816, W38724, AA088612, AW800597, AA969238, BE466433, H96488, AI221245, AI869775, AA904264, AI452635, N90526, R57974, BE175942, AW024674, AA039280, AA037662, BF084948, BE670880,

					AW979316, AC007924, AC007924, and AL158152.
HMEJC96	1395	761218	1 - 2149	15 - 2163	BE563074, AU133042, BE856612, AW192749, BF340649, AA149854, AW590196, BE394005, AI423026, BF438564, AI634234, AI281491, AW593870, AI925568, AI651886, AA548160, BE887331, BF223173, AA046430, BE673045, AA055908, BF337394, AA614141, AW960914, AA468871, AW196762, AI950216, AI151087, BG258154, BF985292, AI096578, AW135574, AI094221, AI580910, BE834041, R59547, R16862, AW197309, AI400129, AA613993, AI888537, BF337209, BE391436, AA149827, AI400474, AW579991, BF345011, BF593319, AI285105, AW580005, AW579960, AA026967, AW579994, F06720, AW383860, AW580010, AW579964, AW580001, AW579999, AW383855, Z39741, AA861969, R59548, AA031712, R55139, AI263722, R55132, AA026970, AA300776, H08765, AA351556, AW303353, AA300927, AI808877, BF103997, AI419163, BF844599, AW383861, AA815307, N83207, BF086604, AA301056, AI352047, AW578694, BF344685, BE931100, BF760512, AA341396, BF920613, AA031692, BF925058, AW088196, AW949441, AV707733, AV746163, AW950678, AV745570, AV703742, AV709248, AW965899, AW958045, BG007812, AW946235, AV705453, AV707804, AV745600, AW954001, AV705836, AV702464, AW949351, AV704865, AW951937, AV708025, AV705340, AV728953, AV685113, AW961597, AV727499, AW952407, AV706326, AI093363, AW952497, AW962983, AW963498, AW958316, AW961841, AV726243, AV707184, AV705697, AW952418, AV745454, AV702149, AV708856, AW951257, AW952223, AW962984, AW963622, AV725369, AW966314, AV691060, AW953993, AV655703, AW949327, AV705115, AW952196, AW966165, AW951728, AW964785, T18597, AW961012, AW963868, AW966601, AV729219, AW967328, AV726665, AW956797, AW950531, AW963108, AW952013, AV754589, AW964752, AV726716, AW966767, AW963752, AW967275, AW954242, AV707103, AV729388, AV707822, AW956773, AV707756, AW953992, AW955905, AV707769, AV661704, AV705147, AV705171, AI536138, AV701833, AV656224, AW958620, AW950683, AV708161, AW955139, AV703851, AV702868, AW952005, AW959858, AV709786, AW950520, AW953804, AW959270, AV725181, AW967182, AW952592,

					AW960587, AV708808, AV708721, AV705221, AW950254, AV707151, AW950197, AV655096, AW952583, AW950143, AW962978, AW949519, AV706507, AW962136, AV655280, AV660258, AW959896, AV706446, AV709886, AW964112, AW954902, AW950256, AV704269, AV659322, AW950443, AW950559, AW964075, AV726948, AV709551, AW960406, AW965720, AW952989, AW957779, AW961393, AV652528, AW962392, AW954007, AV661286, AW966619, AW957997, AW954428, AV647941, AW949534, AW963949, AW949725, AW953619, AW945191, AW954783, AV726248, AW951740, AV728806, AV708858, AW952046, AF030428, AJ225022, Z56464, Z60872, AF030427, X81969, AX047064, Z32836, Z60873, AJ244003, AJ244005, D50010, AX026824, AF144029, AX026823, Y16359, AX028305, AR038855, AR079804, AJ244004, D13509, AX001322, AX020190, A20702, AR062871, AR062872, AJ244007, AR062873, A20700, A25909, AR088705, AR091393, AX006825, AX006826, AX009487, D78345, AX006822, AX006816, A43189, A43188, AR017907, AX001082, AX008555, A98420, A98423, A98432, A98436, A98417, A98427, I18895, AR070327, A98767, A93963, A93964, I63120, AR091537, AR054109, A85395, A70872, A85476, A93016, A86792, I44681, A58522, X83865, AX021518, A84772, I19525, A84776, A84773, A84775, A84774, AR037157, AX006821, AR067731, I62368, AR067732, A91750, AX035462, I66495, I66494, I60241, AX006823, I60242, I66497, I66496, I66486, I66487, AX042372, A58524, A58523, I08389, I66498, I05558, I15718, AR093392, I15717, A22738, AJ276254, I13349, AJ276256, AR063812, M28262, A06631, AJ270780, AF149828, AB043473, AR031566, AB025273, I44516, E03627, I48927, I03331, A35537, A35536, A90655, A02136, A04664, A02135, A04663, D13316, I84553, I84554, E17098, I00682, S60422, I01995, A11245, A02712, E12615, A02710, AX018504, AR035193, A92133, AR073846, E14304, A77094, A77095, A11624, A11623, E00609, AR096545, A07700, AX027811, AX027809, A13392, A13393, AR031488, I13521, AR080470, AR077142, A81878, AX011024, I52048, A27396, AX027813, AX030369, AX033488, AX030368, AX033489, E13740, AR043601, AX033490, AR069374, I25027, A95117, A95051, A18053, I06859, AR027100, I49890, I44531, A11178, E01007, I28266, AR069426, AR069375, A18050, AX012337, AX042377, AR083151,
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					AX027812, AX035980, AX027810, A23334, AR091518, A75888, I70384, AX033474, AX027816, AR072535, AX033486, AX009712, AX033487, A64973, AX042375, AX032758, AX027817, A60111, AX027818, AX027814, AR069650, AR085082, AR085089, AR085091, A23633, I21869, AR007512, I26929, AX042373, I44515, A10361, I26928, AR095490, I26930, AR095491, I26927, AX003207, A91965, A24783, A24782, AR069417, AR085079, E16678, A82653, AR085083, I08051, AR093385, E16636, AR074365, AX032992, AR051957, AX032993, A20699, E00696, and E00697.
HMEJD36	1396	688860	1 - 1298	15 - 1312	AI874396, AA384717, AA609203, AL136984, AC009228, AL135783, AL158167, AL136984, and AC025991.
HMEJK28	1397	825591	1 - 1952	15 - 1966	AU125260, AU137482, AU143224, BF979962, BE905320, BG110056, AW954111, BE888357, BF026567, BG029311, BE886387, BE787743, BF036993, BE005810, BE066803, BE005792, BG106111, BE005659, BG030463, AV716755, BE066786, BG031259, BE778590, AU135372, BE887428, BF034840, BF338135, BE868838, BG112573, AV712560, BF214840, N45714, BF213704, BF028304, BE885061, BE536630, AI356584, AI347088, BE395083, AI681921, AI188394, BF858245, AU126274, BE777483, AI096867, BF678510, AI949239, BF184121, AA707270, AW958965, AU157193, AA633307, AI690981, AW239297, AI200952, AI669681, AI798809, BE005608, AW089548, AW008494, N23783, AI890758, AI018475, AW470025, AA725815, N51271, BF247190, AI359668, AI568976, BF695947, N20100, AW009914, AI139586, BE044205, BG120837, BE005731, AA860476, BF825690, BF857560, AI129987, BF826918, BG260980, AI718666, AI207986, N51936, AA912686, AA768749, AI383741, AI245880, BF857536, N67649, AI189601, AV654895, BF826941, AA946580, AA632226, N48992, AA167747, AI356794, BF826915, W46970, BF026656, BF058150, BF858239, BF826920, AA056425, AI911483, W47070, N95707, BF840837, BF857539, BF244858, BF696908, BF840835, H82727, BG037171, AW377477, BF241650, BF857561, BF572620, BF857538, W70038, BF837203, W81364, AI219967, AI245295, AW771738, AI383740, AI961325, R62245, BF837231, BF825157, AA487374, BF826913, W38741, AI183329, AI681827, BF826926, BF826942, AA659102, W00832, W81623, AA828479, AI827180, BF516055, BF691072, BF825243, BF577004, AA487168, AA332859, AI129023, AI017064, W04513, BF381139, BE243202, AA384913, AI538100, AW770150, AA167647, AA361670, R59853,

					AA374619, W31455, AA056374, BF028286, H83601, AA865845, BE242044, AA723853, R17124, AA064891, AI302004, AL121936, U90549, AC018752, AC073095, R43217, R43217, R59854, N53390, W01099, and W06962.
HMEKH55	1398	833069	1 - 1712	15 - 1726	AA459453, BE279345, AA205866, BF312631, BG257509, AA101550, AA121619, BF312124, BF316513, AA220914, AW194090, BE902971, AV738784, AV759714, AA486007, AA113943, AV751901, BG257252, AW247263, AA223598, AL532258, BE018678, AA181792, AW250315, AA223124, AA223374, BE795493, AA205631, AA026482, BG259318, AA227341, BE409912, AW152422, AW960173, AA218599, AA132567, AV751522, AA196719, AA219692, BG257521, W58281, BE871186, AA215359, AA216703, AL518976, BE263657, W21295, BF306788, BE782475, AC012156, AL157432, U95739, AL031228, AF212220, AK026932, and AC009032.
HMEKW44	1399	825499	1 - 1992	15 - 2006	BG116470, BE868850, BE670098, AA553612, BF509998, AA813301, Z36965, D61366, AI216671, AV717191, AW152524, Z21245, AI339525, AA483108, AI114701, AU132727, AI720301, AI375684, AI066646, BE893315, AI755202, AU120494, BG110166, AW970987, BF204916, AV739833, AA584876, AV726332, AA057530, BF945708, BG252718, BE061942, AI341571, BE869617, BF241908, AB046814, Z86040, AP001717, AC007385, AL031230, AC009247, AL163283, AB020874, AL132765, AL080314, AL049546, AL079304, AL021397, AL035078, AC009470, AC004890, AL356057, AC004990, AC007103, AC003009, AC004804, AL161670, AL024498, AC069275, AL118506, AC018663, AL137818, AC004263, AC005844, AL356414, AC020754, AC008264, AC005723, AL034375, U91326, AC005409, AP001330, AL049539, AC006241, AC024162, AP001711, AC026197, AC008265, AC073184, AC009509, AC007842, AC006430, AC009475, AC009032, AL050336, AL031296, AL137119, AC005086, AC010205, AC007528, AL023578, AL133551, AC006377, AC005081, AC004070, U62293, AL138836, AL021395, AL121936, AC005368, AC005155, Z82214, AL133243, Z68276, AC006509, AC005229, AP001728, AL133245, AC004087, and AC073838.
HMEKW71	1400	855955	1 - 1161	15 - 1175	BF339738, AW138763, AI968244, AI671228, AI146849, AI650986, AA974891, BF337420, AI935406, AI823383, AI375139, AI632343, AI580312, BE254879, AI190358, AA758662,

					BE551753, AI816934, AW166381, AI362170, AI307616, AI339511, AI092493, AA676785, AA701414, AI090245, AI077483, AW003931, AI375073, AI307365, N70081, AV645315, BF946076, AI991601, BF667512, BF885281, AI967935, AI990350, W67234, AI825545, AI621021, AI637874, AI186726, AW206481, N30322, AW140070, AW338117, AA031644, AI095704, BF222807, H00954, BF111706, AI859068, AW136394, AW263085, AI984849, AW338430, AI219050, AI334231, R62632, AI241351, AI355851, AI334036, R39467, AA449686, AI336416, H72039, AI735518, AA699736, R39468, F26300, AI130689, W67345, AW956632, AW956629, AI620138, AA358091, N74688, AA304877, AA704504, AI524317, AI183860, AI801924, BG005003, R74316, AI933476, AI933484, R30863, AI634964, BF351139, AI193719, N56653, AX014304, and AF186111.
HMELW26	1401	581068	1 - 1388	15 - 1402	AW965817, AW603940, AW847750, AW752566, BE878093, AA306169, BG171582, BE540207, AW293605, AW157201, AI457838, BG251689, AA938423, AW847690, AA282187, BG169305, BF515338, BG166888, AW162647, BF115649, N94477, AW847756, AI684319, AA307191, BG178480, BE242043, AA157919, AW847685, AW070701, T07925, H08997, BF947687, R56031, AA357234, BE814467, BE545617, BF088001, H17248, Z45854, AI904416, F05803, AW578123, BE243198, BE087260, BE241554, AW379828, AW367053, W23904, AW997229, BE699329, AA155611, BE884886, BF767709, BE887287, BG249537, BF911697, AI904379, AI125136, AA076886, BF087944, W26835, AW795066, BE090128, AW504032, W25759, AA088795, BE694682, AW889737, BF037613, AB024334, AK024230, AC006388, D17447, AF058799, AF043737, AC006388, AC006388, and AC006388.
HMGBT32	1402	732678	1 - 1207	15 - 1221	AA332052, T33675, AA313584, AL522861, T31050, BF530832, AA035034, W17324, T34146, BE249997, BE740479, W37196, BF664496, BE795746, BE791967, AA089782, BE530992, BE615670, BE615569, BE871083, BE394668, BE292751, BF975159, BE744741, BG110022, BE746111, BF972388, BF798998, T19126, BF128584, BF794654, BF983431, AL517547, BE780853, BE003656, BF807037, AV761258, BG166887, T34243, BE884287, BE616961, BE019682, BF219811, BG256390, BF803180, BE389701, BF664003, BE938633, BE395748, BE780318, BE261370, BE547218, AW250263, BE378127, BE536042, BE019717, BE280522, BE292717, BE298641, BE305134, BE390552, BE253198, BE296994, BE252202, AV716065, BE888583, BE390992,

					BE263736, BE869273, BE394762, BG163450, BE538035, BE303051, BE257686, BE727138, BE388391, BE274139, BE512895, BE314736, BE407244, BE539527, BE280121, BE895323, BG034448, AU117206, BG169473, BE387769, BF685220, BE408077, BE535827, BF796172, BG178897, BG106998, BE740101, AL043316, BE871232, BF309995, BE895507, AU117465, BG257433, BE870275, BE872608, BF796479, BE274664, BE731560, BF978594, AU123755, BF689581, BF128886, BE311636, BF528089, BE535274, BF792396, BG253006, BF978923, BF666863, BE275093, BE512852, BF664383, BF683316, BE868279, BF965842, BG117261, BE779733, BG257507, BE785889, BG258161, BE866912, BE896254, BF973263, BF664051, BE408106, BF685072, BE889994, BG033373, BE902364, BF796774, BE617236, BF304288, BE732507, BE901528, BE900602, BE868394, BF974312, T24646, BF686605, BE254471, BE763200, AA806930, AW439935, BF976130, BE887552, AA486590, BF149138, BE512906, BE395760, BE299135, BE264929, BE253490, BF027449, BE744233, BE250290, BF975940, AA457448, AA092214, AA149145, AW327836, T36262, AA375701, AA070008, AA100770, W72146, AA100022, AA581195, T35271, BE615890, R30680, AA307043, BE728675, AW608259, BF033132, AW608236, AF092569, and AX026895.
HMHB109	1403	847402	1 - 928	15 - 942	BE613340, BE311981, AI079540, BF339777, BG164618, AW301090, BE899322, BE259564, BE265746, AW245743, BE747302, AL110467, BE729574, AL525054, BE734296, BF316896, BE742508, AI870747, BE745405, BE549234, AI435074, AI810818, AA426021, BE379419, AI675429, BE612600, BE903604, AW016054, BE877226, BF939243, BE909447, BE746235, AW197499, AI968701, BE782991, AI085552, AI803701, AW015418, AI609029, AI917395, AI627419, BE788807, BF350582, AI243526, BF686415, BF448768, AI813835, BE254649, BF792659, AW271667, BF033662, AA838309, AA418059, AI184105, BG116654, AW245387, N51652, W00635, AA505926, BE382926, BE266690, AA993193, AI350611, BG167167, AI074877, AI813850, AA852859, AI609552, H68794, AA443445, AA836943, AA557951, BF928087, BE890771, BG249818, AA852860, BE840422, AI499309, AI623897, R96119, AI380916, AI867284, AW002546, H68793, H96259, AA428116, N36450, AA443541, AA417955, T71246, BE780379, BE829913, AA814467, H06674, C02248, AC011479, AC011479, and AC011479.
HMHB193	1404	844729	1 - 2089	15 - 2103	BE883111, BG258002, BF342495, BE396242, BE857131, BE740803, BE779317, AA740900, AW778911, AU158354, AW118176,

					<p>AI076350, AI160295, AI740545, AI798756, AA678982, BE764655, AW801067, AI912485, AI801086, AA402957, BF801829, AA679025, AI270683, AA828079, AA010343, AI688169, AA306339, W19078, AL046057, BG258182, AA446211, AW193206, AA446222, BF905988, AI028489, AA446210, AW502275, AA806665, AI360620, BF815789, AI208361, BF899607, H26560, BF834770, AA913657, AA677995, AI342185, R48263, AI863079, AW474967, AI572637, AW503292, T56988, AA952885, H26559, AW029176, R48362, AA884179, AI673567, AV656203, AW801625, AI589142, T32365, AA878059, BG230592, T56989, AA372000, D25694, BG002643, Z25133, AA035187, AA662958, AA594613, AI919126, AW050729, AI015823, F31497, AI356265, BG056044, AA032301, AW576350, BG222355, BF838735, AL039276, BF528944, N89061, F00392, AA338146, AV690655, BE147479, AA035188, AI363252, AW182703, BG152405, H30396, BF926557, AI568438, T32051, R89027, AA339528, H46411, AW148893, AA907175, AI422485, H23967, AA342099, AA927080, R73223, R15670, AW771102, AA366174, BE181430, BF925266, BF926547, AW891182, BE764630, AA887405, H44635, F34989, BF834787, BE171182, AA480161, AW579250, AF252258, D86970, AF104984, AF105277, AB026497, and AA446223.</p>
HMHP74	1405	765108	1 - 1241	15 - 1255	<p>AV694638, BG260509, BG120648, AV690805, AV697898, BF513825, AI493883, AI360093, AI871168, AI167767, AI061121, AI421346, AA476916, AI086735, AI498914, AV695939, T23477, R43982, H10040, H78174, Z40753, AA236377, BG057842, AA545809, AA887091, AW972915, Z45022, R18967, R36912, AA677504, R36324, AA541412, R49254, R12909, BF339369, AV706681, H10094, AL008718, AC062010, AC062010, AL008718, AL008718, and AL008718.</p>
HMIAC52	1406	825484	1 - 1628	15 - 1642	<p>AL534548, AL525963, AU121782, AU130758, BE790840, AL525238, BE250223, BE902833, BF529677, BE733720, AU143629, BE879760, BE781489, BF965980, BE891754, BE794721, BF797804, BE279359, BE537763, BF796480, BE799046, BE390526, AW245734, BE387977, AA523271, BF313224, BE884060, AW630179, AW603967, AW366986, AI479138, AW615002, AI356438, AW249401, AI203324, BF349491, BF676313, AL120999, BE543198, R35395, AW579490, AA548307, BF905255, AI083553, AI677943, BF923561, AW847775, H18281, BF871930, BE166547, BF733194, H46461, AW853243, H46982, H46437, BF770020, H46540, H20329,</p>

				BE696366, H47002, BF952991, BF814112, AL045281, BF820457, BF925295, AI277701, BF950306, BF873564, BF903328, BF768925, AW606676, AW604339, T70818, AW578394, BF947321, AW887235, H18242, BF974926, AV661286, BE707202, AV693000, AW950018, AW966055, AW950012, AV695359, AV709908, AW953786, AV704756, AV704771, AV652528, AV709356, AW949942, AV725386, AV705812, AV728355, AV688766, AW952168, AW963619, AV705420, AW959712, AW951562, AW950446, AW955394, AW959895, AV690921, AV705504, AW952196, AW955596, AV706013, AW954011, AV703819, AV727015, AW958000, AW954070, AV709932, AW962924, AW962934, AV659189, AW956762, AV708608, AV656250, AW950632, AV653203, AW951452, AV706028, AV727756, AV652837, AW958871, AW959823, AW964422, AV651519, AV657583, AW951882, AV706432, AV727187, AW959830, AW963641, AW957428, AW960237, AW960538, AW954211, AV704483, AV706506, AV702798, AW959862, AW960201, AV708388, AW959804, AV728244, AV703035, AV728853, AW951768, AW960308, AV705813, AW951304, AW949478, AW951958, AW955724, AW959868, AW955053, AW953608, AW949451, AW949524, AV661838, AV726831, AV708647, AW962978, AW950443, AV687844, AV728309, AV709596, AV658362, AW951526, AV707087, AV706827, AW960601, AW951536, AW952403, AW952183, AW959806, AW963857, AV656903, AW966539, AW950635, AV661704, AV697196, AW952751, AW956075, AV645936, AW949383, AV709587, AW959721, AW955723, AW950976, AV658084, AV650283, AV692600, AW952011, AV650315, AV703687, AW963768, AW967181, AV650591, AV659389, AV697880, AW950373, AV727613, AV656373, AV726010, AW957544, AV728590, AV655280, AV702019, AV660258, AV647789, AV708109, AW959521, AW956474, AW959312, AW950006, AV727787, AV659294, AW960655, AV650691, AV703146, AV686060, AV725745, AW951239, AV660608, AV686064, AV728148, AV659322, AV726156, AV650768, AV654908, AV726590, AV656478, AV698545, AV708091, AV726628, AV709314, AV703790, AV653353,
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					AV708381, AV654070, AV660728, AV728632, AV704802, AK001594, AJ243467, AB015332, AB025905, AF199414, AX013778, AC006128, AB028921, AL133576, AC007059, AX047063, AR050070, A62298, AX047062, A82595, A82593, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336, AX009338, AX009334, Z30183, AC006143, AX047064, U94592, U45328, AX040581, AR023705, AR025466, and AX046743.
HMIAD75	1407	846483	1 - 1607	15 - 1621	AI675282, AL359974, AL354976, and AL358932.
HMIAG42	1408	846339	1 - 1964	15 - 1978	AL525981, AA242973, BF030911, BF110442, AL525939, BF217853, BF589264, AA450144, N47280, AI990299, AF074979, and AF060877.
HMIAG55	1409	736020	1 - 918	15 - 932	BF088458, AA617666, N85578, AW583753, BE302144, D55883, AW131044, AA580570, AA379603, AA296676, AA335026, AA332869, AA664691, AW058386, AA295948, AA385384, AA305952, AA385576, AA321045, AA382864, AA359299, AW467497, AA657836, AI283339, AI633028, AA316027, AA320126, AA248239, AA377080, D55948, AI499273, BE208309, BE302135, AW883017, AI640383, AW405865, AI434584, AA320435, AW404604, AW193561, AW275989, N57228, AA370117, C14969, F00773, AA373946, AA310136, AI628020, AI683962, AI572872, AA320078, AI587312, AI589377, BF000828, AA328908, AA317518, AW166845, AA331958, BE045253, AA936935, AA312477, AA318205, BE018539, AW075903, AA642006, AA551556, AI469433, AW076101, AI870234, AW272650, AW276221, AW304281, AA379792, AA335088, AI640398, H03579, W00923, AA581337, AV654947, AW583804, N86132, AA330046, AA357710, AA362787, AA483593, AA531045, AA083774, AA658106, AW405879, AA650085, AA876625, AA229432, AI903749, AW406429, H44146, AA328093, AA564495, AA640406, AA379422, BE886677, AW406849, AA715419, AA593143, AW406171, BE301833, AA143132, N31124, BE336945, AA601945, AV703791, C14628, AA130308, AV762043, AA512857, AA373581, AV692749, AA535583, AA070697, AA484575, BF727325, C15049, H48645, AA314883, AI459607, AA531097, T07903, AI983402, AW405326, BE395654, AA740413, BE281488, AA977945, AW404915, AA580694, AA525121, F20909, AA064843, T58458, AA680244, AI306518, AW131839, AV704752, AA524631,

					<p>AI879727, H82370, AA379793, AA305948, AI884799, AW021767, AI014471, AI879747, AW406857, BF726629, BF727397, AA622861, AA650381, N57403, BE549096, N27461, BE276983, AA314925, AA532682, AA875926, AA514974, AW406306, H66162, AW406336, BE392218, AA314102, AI833158, BE539281, AA947335, AV757829, AW827414, AA314984, AA530884, AA961773, BE044934, AA622518, BE293470, BE293756, AW406520, AA315177, BE389089, BG031525, AA480439, AA665458, AA496525, W00894, AA305242, BE619544, AW161474, BE884449, BE273146, AI672791, BE878177, AA496632, AA533955, BF726533, BG142136, AA829080, BE298668, AA316751, AA483472, AW575966, AC007386, AL121886, AL035091, AP001421, AP000013, AC006160, AC004848, AC011484, AP000512, M84371, AL121928, AP000154, AL009031, AC002326, AC004851, AC011470, AL109804, Z93023, U96629, AL035413, AL139353, AC006512, AC002476, AB023050, AC005057, AL080243, AL034379, AL022320, AL020997, AC009330, AL133418, AL132708, AL132990, AL031291, AL096840, AC005839, AC005796, AL132821, AC004773, AP000557, AJ003147, AC005702, AC025588, L05092, AC004500, AC005399, AL096814, AP000501, AL132825, AC005620, AL031848, AL008725, AC009194, AC007388, AC008733, AC011465, AC008623, AC009060, AF168787, AC002470, AP001729, AL031680, AC002400, AC011480, AL159980, AC007405, AC016025, AC005332, AP001725, AL096712, AC005255, AC006449, AC004965, AC006501, AC008050, AC002472, AC004212, X79234, AC007205, AC009542, AL121601, AL133163, AL031602, AL353802, AP000432, AC010150, AL445483, AL035587, AL022322, Z93015, AL157713, AC007683, AP000300, AC068799, AL035415, AC005225, AC008556, AC002404, AC022149, AP000113, AP000045, AB020864, AL049553, AC007917, AC006211, AC015651, AL050335, L44140, Z93244, AC003108, AC007376, AC007366, AL035086, AC068847, AC068847, and AC068847.</p>
HMIAG72	1410	824091	1 - 3038	15 - 3052	<p>AL529410, AU131473, AU130592, AL529409, BG177556, AU139381, BG034582, BG257240, BF337749, AV708667, AV707279, BF970934, BE893095, AI744577, AU123717, AL133759, AV705831, AV704104, AV701721, AW069446, BE540506, AI796686, AI740469, AU152510, BF438056, AI951890, BF104935, BG054900, BE349014, AI473996, AA845517, AA903659,</p>

					AI091553, AI423587, AI290471, W24335, AI435872, N22699, AI811961, AI342397, AI867434, AI016330, AW337408, BF513732, AA576780, AA976073, AI362993, BE694530, AW408100, AA418258, AI418467, AI638053, AW591583, AI216075, AW957381, AA939090, BE672367, BE856611, AI142900, AI160050, AI216058, BE931614, AA121398, AA232698, BE674052, AA973228, N99442, AI338939, AA987940, AW750101, AA176369, AA418361, AI753790, N72008, AI350053, AU157985, AI446545, W25168, N95474, BE768391, AV649868, AA699318, AV734684, BE958476, AA132808, N50574, BE768374, AA536079, AA774469, AI087036, AI205585, AA291238, H06583, AA740501, W81578, AW402001, AV659820, AA441892, AA758170, T78824, AA442007, BE169115, AI216066, F13405, AV689085, AA132604, AV647072, N95413, BF692050, R64249, R38406, AA878292, AA181866, AI279989, H06528, AA886880, H87995, T77975, H16659, AW949147, AA495768, AA699616, AA371141, AA385150, AA383294, F11103, AA365076, BG010274, BF207641, AA164624, H16516, AA453115, AI216838, H88170, AA232699, BF207740, BE539973, N50518, AA300844, AI221627, BE169093, BE568841, R08907, AA232927, R09013, R64144, AI571134, W81643, AA121595, BE564523, N53617, H86591, AA180396, BE564481, N71885, BE565323, AA910896, BF027874, BE565357, AI361170, AW948433, AA397940, AW293687, AI674794, BE568705, BF208341, AA182552, AI926424, BE565701, D20980, AA166666, AV711471, AV692622, AF039081, AC008115, and AK002189.
HMIAL39	1411	668251	1 - 1266	15 - 1280	AW157184, AA813334, AI424306, AA862637, AW401376, AA024898, AU149274, W60316, W60265, AI588909, Z41734, AU144188, AA024897, AV735102, AI915026, BE966571, BF871314, BE965014, BF924897, BE966547, BF984813, AW075382, BE878707, AV733397, BE875442, BE963872, AW079432, BE880892, AI491852, BE966443, AA806227, AI207510, BE964994, AW827206, AL040459, BF525392, BE886686, BE011880, BE966579, AW162194, BF969040, BE965599, BE890427, AV747873, AI560545, AL046944, AL047344, BE965758, BE966129, AW268067, BE965621, AI923989, AI225000, AI309306, BF204241, BE176248, BF904265, AV681630, AV682252, BG113299, BE964752, BF338002, AL514691, BF798503, AL513961, BG261310, AL138386, AA587120, BF970658, BE887846, BE928728, F30885, BG170937, AI494201, AW071265, AA760884, AV751247, AI445620,

102760" 28005660

					AW827214, R36363, AV711924, BF216408, AW268937, AW834325, AA291456, BG180032, AW268759, AV749888, AC011460, AF086241, AK022706, AK000909, AL353745, AL442643, AC007511, AC012502, AC010478, AL050322, AC025765, AC007282, AC011460, and AC011460.
HMIAO82	1412	833070	1 - 3606	15 - 3620	AL157648, AU127777, BE790279, AU150230, AU151793, AU149388, AI963090, BE671941, BE042689, AI268048, AA102627, AU145570, AI658922, AA148853, AA829217, AA872268, AW968349, H10571, BF593988, AA235286, AI522266, AW196386, BF223265, AI828833, AI567692, AW408769, AA468919, AA586312, AW576903, H43363, AI291984, AV700498, BF346320, AA347971, AV700988, T65573, BG260565, BF207509, AV714931, BE538259, BF091503, AV760760, AV722030, H40000, H39569, BE541237, AV762220, AW590653, H63185, AI287643, AV700545, AV722075, AL048969, AU123691, AL037632, AI354847, AV762696, AA923264, AA577824, AV761207, BE796439, BE909125, AI038990, AA085504, AA483812, AV762129, BG164166, AV762783, AL048626, AV760723, AA524604, AU131051, BF828714, H43319, AL534817, BG108021, AI682060, AV731286, BE169723, BF346854, BF345114, AA492496, AV700113, AV759851, AU155048, AI685230, BG258140, AV759873, AL041706, AU154050, AL138254, AI679002, AV761286, AW875184, BF345228, BF813805, AW405593, BF347042, BG034591, AI860423, AK022855, AL079275, AB041602, AC007956, AC008623, AC008521, AC005519, Z84480, AL050349, AF168787, AC010328, AL158040, AL121586, AC006040, AL133245, AC006487, AC004686, AC004099, AC020908, Z93015, AF207550, AC006942, AC007686, AL049539, AC002347, Z97630, AC005914, AC008745, AC005102, AC004973, AL121652, AP001725, AF196779, AC007546, AC011469, AC004876, AL117381, AC008264, AC002312, AL135924, AP001670, AL031311, AC008651, AL353748, AC004890, AC010553, AL034420, AC004922, Z95116, AL133448, AC005500, AL031427, AC005015, AL022721, AC008649, AC002544, AL133229, AL109627, AC000353, AL008582, AB023049, AC018738, AL020997, AP001711, AL080243, AC007850, AC010422, AC000070, AC007679, AL356354, AC008753, AC004797, AL109952, U85195, AC002565, AC008626, AF134726, AL158141, AC006544, AL035079, AC006071, AL135749, AC005971, AC006457, AC005920,

					<p>AL356299, Z95114, AC026431, AL022165, AC004033, AL022326, AE000658, Z97632, AL049776, AC009087, AC005484, AC007731, AC011489, AC011475, AF205588, AL139100, AF053356, AC004019, AC004386, AL022316, AL031296, AL109823, AL161670, AP001748, AC010267, AC005933, AC010102, AL133551, AC008892, AC007371, AC021752, Z97184, AC006468, AL049694, AC007151, AC002350, AC008266, AC003982, AC000159, AL008719, AL109825, AC003013, AC024075, AL033529, AC004000, AC005033, AL121601, Z69920, AC007688, Z93017, AL121658, AL080314, AL096791, AC004476, AC008760, AL021393, AP000133, AP000211, AC011453, AL133387, AL353807, AC004971, AC005740, AL049636, AL135927, AC009509, AP001710, AP000503, AJ011930, AC006538, AD000092, AL354696, AC007388, AC004263, AL110115, AC006511, AL079340, AL162430, AL049760, AL133545, AC011479, AC021016, AC002091, Z83844, AF254822, AL163300, AL117348, AL353804, AP000113, AC002477, AC006345, AC007993, AP000689, AC005231, AC024561, AC003043, AL121934, AC010489, AP000466, AC006211, AF190464, L44140, AC007207, AL034380, AC005822, AL354864, AL079342, U91321, Z93930, AL445248, AC005200, AL109804, AL022476, AP000963, AC006213, AC005225, AC007308, AC011455, AL024498, AC007565, AC004703, AC004883, AC005412, AC005399, AC005046, AP000563, U95742, AC008392, AC004253, AC005527, AL118502, AL139353, AC005103, AC005696, AP000116, AL389874, AC002316, AC008806, AL133453, AP000343, AC007066, AL096840, AL022315, AC008443, AC006512, AC008018, AP000692, AC002310, AL136418, AP000501, AL109935, AC008269, AC002554, AC004859, AF196969, AP000045, L78810, AL390374, AC008897, AC007383, AC004882, AC005821, U91323, AC000117, AC011442, AC025707, AC025707, and AC025707.</p>
HMIAR42	1413	809096	1 - 1882	15 - 1896	<p>AU118046, AI460321, AL518808, AU143090, AA747426, AW976112, AI336195, BF033135, BE548454, AL532457, BE546087, AL135535, AA670021, AW665703, AA524305, BF980787, BF434311, AA115748, BE004732, BF930420, AI492274, BF210983, BG168141, AW009341, AI820689, AI963448, BF185250, AI149128, N32841, AW675527, AW630309, BE169687, AV719389, AW118055, AI372931, AI024476, W87947, AI192904, AL518809, AI218576, AA742371, AI129408, AA694101, AI368750, AW672852, AI474325,</p>

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HMIAV33	1414	668252	1 - 1347	15 - 1361	AI242940, AL163302, AJ239326, and AJ239326.
HMIAZ24	1415	846484	1 - 629	15 - 643	AL040396, AW963918, AI627368, AI761270, BE711307, AI697779, AI568646, AI862541,

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HMIBD93	1416	634227	1 - 1309	15 - 1323	AL045780, AW590225, AW970178,

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HMIBE95	1417	804597	1 - 2069	15 - 2083	AC009511, AC007282, AF241730, AC024929, and AC024929.
HMIBG57	1418	638227	1 - 903	15 - 917	BF512846, AA807062, AI064824, AA663160, BF221850, BF221933, AA788780, AI823426, AA179291, AA781480, T92269, T92314, and AC013476.
HMJAC12	1419	841631	1 - 1000	15 - 1014	AW384449, AU132333, AU125535, BF240621, AA468466, AA468319, BF830998, AW975902, AW968194, BF910378, T40617, AU147781, AW102863, AA447006, AW474052, AI459703, AW173501, AA808715, AW514668, AA744036, AI698338, AI652191, BF900044, AW105737, AW405600, R79654, AL041704, AA569187, AA872627, AW875185, AA325415, AI284888, AV720175, AV719712, AA878955, BF928528, H72666, AV719489, AW939372, AA015749, AW468151, BF849123, AI708663, AA640563, AA196287, AI560730, AA323570, AW468358, AW157450, AI053901, AW268746, AW976687, AA594699, AA714930, AA782338, AI284881, AA652057, AA649642, AI251250, AI345900, AW972851, AI890753, AW080061, AI707788, AI275328, AA205911, AI311505, AA125788, AA468056, BE799873, AA467938, AW069527, AI160682, AA002262, W60406, AI371593, AI224184, AA467756, AI254540, AA565691, D83882, BF810149, AA151642, H60239, AI132915, AI669444, AI266133, F17700, Z99758, AC009480, AC004089, AC005015, AC006484, AC003968, AL079335, AL023580, AC011604, AC007276, AL031296, AL049709, AC007899, Z98950, D87343, AP001432, AP000010, AP000151, AL034405, AL049776, AC005324, AC009499, AC004826, Z94722, AC004833, AC002301, AL121998, AL031447, AC005995, AL161657, AC006006, AL109840, AC010102, M92294, X14448, AC004911, AL022098, AC004408, AP000246, AL121757, AL353811, AC002553, AC003664, AL136093, AL035071, AC083871, AC004846, AL118502, Z82215, AC005003, AL157372, Z95115, AC005091, AL033520, AP000553, AC018751, AC009516, AL050335, AL023799, AL023801, AC020629, AC004223, Z93016, AC004686, AC003998,

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HMKAN71	1420	884161	1 - 1706	15 - 1720	BE379784, BF340383, BF439334, AI635715, AL520172, AL522216, AW411210, AI624534, AL520173, BE785663, AA879465, AW104990, AW630619, AW409582, BF087963, AI766309, BF512139, BE537862, BF701425, BF700820, AA081177, BE379855, AI803484, R78080, AI129966, AI925109, AI804159, AA279212, AA410910, AA678827, AI860837, AI183591, AW474646, AW805183, AW316983, AI431314, AA766602, BE139077, AA081236, AW194027, AI521521, Z38832, BE887157, BE972627, AL522217, AA588351, AU155980, AI923638, N39554, R22273, AA447188, AA769352, TS2102, AA371263, AU135336, AA259257, BE538577, AW613876, T60532, AW411209, AV686756, R22218, Z42670, AA443811, BE298394, BF184613, BF341338, BE619497, AA969814, AA729654, AA259256, AI969030, AW572611, BG119811, BF592136, AW409826, R24524, BE619819, and AK001845.
HMKBA33	1421	596949	1 - 1716	15 - 1730	AI246679, AV760723, AA680243, BG258140, AW963982, BE792565, AI732120, AA133505, AC007216, U80017, AC011484, AC027319, AC005933, AL135901, AP001714, AL121891, AC003108, AL121825, AL133294, AC002565, AC004491, AC005004, AC087225, AP001727, AC009600, U95742, AC005089, AC005031, Z83826, AL133448, AL355392, AP001748, AC005231, AC008551, AP001713, AC002369, Z98200, Z98044, AC019171, AF207550, AC005971, AC018663, Z97876, AC005412, AC004840, AP001710, AC005479, AP001712, AC005015, AC004644, AC008379, U85195, AL132639, AC009123, AC011529, AC004824, AC000353, AE000658, AC004910, AC018719, AC011491, AC008569, D87675, AC016027, AC005952, AL159977, AL022315, AL162390, AC006111, AC005829, AC007382, AC016830, AC013434, AL121890, AF196779, AC010422, AL034417, AC006312, AC004854, AC003043, AC004882, AC004777, AC002350, AC004815, AC004216,

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HMKCI22	1422	864176	1 - 2004	15 - 2018	BE562805, AA193474, W91997, BE645536, BE045639, AA040050, AA040039, BF940146, BG054711, AI672092, BE046909, AI275432, AI697824, BF593256, AI768826, BE326373, BE218327, AA804600, AI686630, AW294545, BF446094, AW953391, BF942120, AA235359, AI273488, AA723526, BF477192, AW139505, N67503, R17942, R77237, BE044158, R78577, AA554304, BG055379, R77238, AI084410, AA355044, AI220176, BF057201, BG055327, AA160001, AA193521, AA160000, AI214878, R18046, T03055, W03478, AW904783, AW138233, AA625815, AL119150, AA353211, AI636439, R78578, AI890688, W00350, AA494264, AA490200, AI433157, AI889189, AI866469, AI927755, AI521560, BG257535, AI801325, BG029667, AI500662, AW151136, AI815232, AI582932, AI872423, AI537677, AI500523,

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HMKCK32	1423	561576	1 - 1006	15 - 1020	<p>AV762454, AI654655, BG030413, BF342223, AW192331, AI610651, BF941416, AA569178, AW302048, AA653164, AC006290, AC002425, AC003071, AC009060, AC004534, AC004131, AC008372, AL117336, AC009079, AC003684,</p>

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HMKCP81	1424	608296	1 - 943	15 - 957	AI827559, AI379101, AI803561, AA281997, AI341752, AA936199, AI220163, AA857528, AI252771, BF899211, T57435, AI885080, AA280595, AW812719, AW812619, BE207401, AW026871, R89167, AC005386, and AC009310.
HMKCY49	1425	638090	1 - 1020	15 - 1034	AA457272, AC018546, AL133370, AC018546, AC018546, and AC018546.
HMKDD51	1426	894846	1 - 1136	15 - 1150	BF327295, AI367567, H02771, R38456, BF812933, BF970990, AW103371, BG168696, AW195968, AI610756, AI480118, AI609593, AI554484, AW301409, AW149869, AI538716, AW195957, AW002342, AI815855, BF724691, BF055737, AI568870, AI633419, AI636719, AW131954, AW118512, BE048071, AI281779, AI570384, AI498579, AI866002, AI224992, AI284020, AI580984, BE018334, AI249257, AI566507, AW087445, AI912866, AI857296, AI799199, BE963918, BE887982, AI610645, AI612920, AI682841, AI868831, BF792469, BE966388, AI828731, BE963035, AW196141, AI866608, BE964700, AI569616, AI539153, AI537303, AL036361, BE047952, AI433976, AI560099, AW168650, AI554427, AW129202, BF970449, AI269205, BG058208, BG035511, BE964812, AW079368, AI538829, BF817926, AI824444, AI445025, AI536638, AW151485, AI952360, AI274541, AW104724, AI624206, AW008048, AI637584, AI439087, AI872711, AI702433, AW082040, AI926790, AI564719, AI636445, AL043326, BE047852, BG031815, AI580240, AL036403, AI811344, AI524671, AI702406, AI921248, AW071417, AI619502,

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HMKDG69	1427	588407	1 - 1747	15 - 1761	<p>AI608864, BE882359, AI276815, AW246964, BE167244, BF510305, AW803174, BF347900, AV730039, BE729640, BF901339, AI820995, BE160013, AV730996, AL079417, BE267487, H38939, BE254708, AV655302, AW250164, BE161049, AV731053, BG060193, AW820740, BF759523, H49265, AI080257, BE676761, BG058710, AI214337, AI422548, T59569, BG027937, AI792933, W16534, AW183705, BF896535, BF003015, BE391088, BF540735, AI140866, AA557683, AA514364, AU127055, AA974502, BF432048, AA664484, BE078401, AI769017, AU124681, AW951878, AL041839, X98425, AW857579,</p>

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HMKDM80	1428	608168	1 - 602	15 - 616	AW594744, BE550414, AW852531, AA760655, BE968744, AI888468, AV759675, BE158716, AV760469, BF991208, AW440256, BE089717, AW819125, BF678990, AW303008, AI049508, AI243798, AC006261, AL158196, AC018720, AL445248, AL121751, AC007225, AP001714, AC020904, AL035587, AC009087, AL136365, AL158830, AC025442, AL136984, AC009079, AF168787, AL157838, AC007597, AC004686, AP000359, AC012312, AL121583, AF312915, AL133453, AC004166, AP000512, AL121586, AC006241, AP000030, AC005280, AL080243, AC005015, AC003110, AL035454, AC005562, AL035458, AC008812, AC004867, AC005088, AF196972, AL031681, AC023510, AC010789, AC005519, AC066585, AP000032, AL096840, AL136170, AC006483, AC006064, AC069247, AP001717, AP002085, AC004659, AL022315, AL355499, AC008772, Z83840, AC006040, AC007899, AC021016, AC004929, AC002432, AC018663, AC006115, AC004551, AC010092, AC004828, AC006060, AC005488, AP000344, AC020906, AC007404, AL132765, AC007437, AC003029, AC005919, AC008521, AL022165, AC005874, AF134471, AL353748, AC004846, AL138756, AC006337, AC010458, AC004859, AC006014, AC021068, AL050318, AC004263, AC006139, AL049636, AC004797, AC005000, AC003043, AL158167, AC009953, AC010289, U95742, AL355392, AL023575, AC011442, AP001692, AL445568, AL050335, AC011484, AL133320, AC002072, AC005899, AC006452, AL034417, AL035495, AL158823, AF030453,

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HMMAL32	1432	562033	1 - 405	15 - 419	AW780122, AC010969, AC010969, AC062035, and AC062035.
HMMBD19	1433	607468	1 - 1011	15 - 1025	AI192452, T41189, AA091229, T40326, AW078528, AA089988, AL136164, AL133377, AL133377, AC073889, and AC073889.
HMMBF22	1434	780406	1 - 1376	15 - 1390	BF513651, AV702115, N46500, AW862969, BE175487, AV751370, AA290698, BF038925, BF105831, BF527911, AA449533, BG180163, BE175522, BF305272, BF805077, AA094107, BG256217, AA287603, H67800, AW888959, BG013534, AV748664, BF955370, BF810981, BF763529, BF740318, H54072, AW178257, C16835, AW366047, AA022991, AW381499, H80912, BF751396, BF806157, BE771826, AU117260, BF154510, BE939299, R20567, AI669247, AK025478, AL442073, AK001569, AK024384, AC018506, AC018506, AC018506, AC024056, AC024056, AC024056, AC023159, AC023159, AC023159, and AC023058.
HMMBH91	1435	607472	1 - 769	15 - 783	AW974379, AI888926, AA484237, AA493246, AI476361, AA372426, AV758324, AW963594, AV741802, AV710948, AV757310, AV756776, AW850183, AA682376, BF308728, BG223164, BF675359, AL022336, AL139150, AL162872, AC007707, Z98747, AC007279, AL031666, AF011889, AC006017, AC018816, AL450431, AL139095, AL121653, AC004509, AC007619, U91321, AL023577, Z69667, AC010289, AC007537, AC006039, AL022326, AC004988, AC004531, AC005088, AC004651, AL049830, AC005291, AP000692, AC009247, AP000515, AL357499, AP001725, AC004626, AC010203, U91323, AL031280, AL133517, AL122003, AC002300, AC010180, X96421, AC002037, AC004048, AL035697, AC003667, AC015853, AL133395, U62317, Z98742, AC006040, AC024600, AL391260, AC003663, AL136528, AC006251, AL031681, AC004672, AL133396, AL359238, AC005018, AC007000, AL133244, Z85989, AL356244, Z99716, Z84469, AL133215, AC004408, AC002456, AC004838, AC010526, AC002306, AC011895, AF070718, AC022137, AC006600, U91318, AL110115, AL031906, AC007110, AC006057, AP000525, AC007653, AC007687, AC003037, AC007383, AL158830, AC008806, AC007690, AC004974, AL049653, AP000501, L44140, AC007324, AC020663, AC004849, Z82188, AF238465, Z82246, AL033529, Z98751, AL138716, AL117381, AF067122, AL136990, U65590, AB014085, AC004501, AC004262, and AC004187.
HMMBH94	1436	607463	1 - 895	15 - 909	AV756663, AL036896, AI479148, AL041924, AI753904, AI568376, BG110480, AA595661,

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HMMBK55	1437	608179	1 - 752	15 - 766	AL041924, AW148964, AI124660, AW021399, AA577706, AV756491, BF843155, BE063437, AI133029, AA601333, BE140949, AA634071, BF814446, AL031670, AL353807, AL132713, AP001694, AL109797, AL049780, AL080243, AL050335, AC002310, AC005911, AL033529, Z93244, L35532, AL133545, AL031602, AC011462, AL049776, AC006255, AL139099, AC004491, AC008040, AL139039, AF001549, AL136228, AC008569, U91318, AL159997, AL121886, AL136179, AL121997, AJ009616, AC007546, AC002425, AC010271, AC009086, AC005288, AL022721, AL121601, AF207550, AC009032, AL161670, AL034380, AL117381, AL035072, AP001610, AF243527, AC011479, AF168787, AC006449, AP001715, AC005839, U47924, AC008521, AJ295844, AL109627, AL109804, AL133448, AL096840, AC005080, AL049757, AL133353, AC002300, AL031727, AC008155, AC005484, AC008753, AL008710, AL359846, AL035086, AL096701, AL161936, AP000107, AC018751, U91323, AC008812, AC011475, AC009244,

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HMMBQ31	1438	609882	1 - 698	15 - 712	BF431899, H01109, AA978068, AV699607, AV700089, AV700263, AV699618, and AV699611.
HMMBR63	1439	607831	1 - 666	15 - 680	AW979298, AI884542, AW071090, AA995047, AA837685, AA828371, AI028039, AI559187, AA522650, BF791337, BE671416, AA454072, AA404384, AA847410, AA904539, AI950984, BE172597, AI469764, AI889191, BG180788, AW058275, AL514819, AL514803, AL514047, BG167830, AI539260, AI815232, AI866691, AI801325, AI500523, BF812438, AI538850, BE885490, AI887775, AI582932, AI590043, AI284517, AI923989, AI872423, AI500706, AI491776, AI445237, BF811804, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AI285417, AW151974, AI623302, AI539800, AI582912, AI284509, AW172723, AI538885, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AL515375, AI371251, AI888118, AI285439, AI859991, AI436429, AI355779, AI623736, AI889147, AW194509, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AL047422, AI866786, AI567971, AI860003, AI610557, AI431316, AI242736, AI828574, AI887499, AW151979, AI539781, AI431238, AI539707, AI702065, AI885949, AI285419, AI559957, AW089557, AI521571, BG114012, AI469775, BF032404, AI866581, AI567953, AL047398, AW074057, AI815150, AI446495, AI952433, AI867068, AI225248, AI358271, BE962698, AI282249, AI698352, AI924051, AI371229, AI872315, AI798359, AI932620, BG035653, AL514773, AI610357, AI371237, AI866465, AL039287, AL045453, BE908335, BG259587, BE883591, AV736134, AI474699, AW129310, AL514701, AW151970,

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HMMBS55	1440	664493	1 - 990	15 - 1004	AW836519.
HMMBT47	1441	804594	1 - 1291	15 - 1305	AA228349, AW270255, AA447247, BE967607, BF901147, BF934340, AI890283, AA084439, BF802714, H17622, AI679294, AW969743, AA584862, AW979295, AA488419, AW970856, AW502688, AA227167, AI799569, AL133768, AW975410, AA421536, R53536, R60707, AI274480, AW162662, AA228338, AW971953, AI309059, H53109, AW975210, AA496369, BF739035, BF841981, BF868994, AC007597, AC005067, AC007249, AC008784, AC004856, AP000212, AP000134, AC013436, AC011742, AC006441, AC009756, AC016025, AC015550, AC005755, AP001711, AC004983, AC008044, Z84466, AL034402, AL353807, AC006332, AC018738, AL049712, AC004382, AK000182, AC004965, AC005695, AC005776, AC020955, AC004560, AL354864, AC005484, AL121601, AL035423, AP001748, AC007845, AC005180, AC004254, AC010326, AL132825, AC003070, AL096701, AC004975, AP001630, AL135839, AC008770, AC008760, L78810, AC002477, AC006241, AL121747, AC011491, AP000688, AF275948, AL034372, AC006946, AC004832, AC009247, AC020550, AC007151, AL024507, AL121905, AC009060, AC018642, AC005730, AC004476, AC011489, AL135911, AC004531, Z83844, AP000252, M55987, AC003098, AP001745, AL137818, Z74617, AC018663, AC004859, AL023553, AL050404, AC005871, AC006255, AL034429, AL109935, AL022149, Z85996, AC002300, AC008736, AL139184, AC004882, AC011456, AL163280, AC006960, AC020904, U85195, AC021016, AL133387, AC008969, AC005529, AC018719, AL358777, AC011495, AC020913, AL137162, AC027319, AC004650, AC005103, AC007201, AL356299, AF047825, AC005037, AC004662, AP000502, AC004166, Z98200, AC083866, AC011452, AC009228, AE000658, AC008738, AC005288, AL162430,

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HMMCD35	1442	607840	1 - 799	15 - 813	AA225888, AA225887, AL139195, AL139195, and AL139195.
HMMCD95	1443	603202	1 - 1680	15 - 1694	AI821062, BG029528, AA659232, AA662117, AA129746, AI658929, AI440117, BE252421, T87918, AA470486, N25074, BE061322, BG165297, AV763460, BG164617, AW995665, AV687035, AI536552, AA550768, AA572953, AL139099, AC004685, AL353587, AF001549, AL356103, AC069539, AL079342, AL117334, AC005332, AC004965, AC018738, AC010605, AC003003, AC005886, AC007298, AC004846, AC005562, AL133387, AL358777, AC007383, Z98036, AC025435, AC020898, AC005670, AC007637, Z82190, AP001727, AC005726, AC016969, AL133284, AC008115, Z95331, AL031120, AC009087, AL121901, AC000025, AC021068, AC004854, AL159980, AC005036, AC011450, AL133353, AC009228, AC004824, AL117337, AC000052, AC010326, AL022165, AL034548, AC003101, AP001709,

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HMPAB26	1444	580854	1 - 851	15 - 865	BE645116, BF969862, AI796745, AW976583, AI832217, AA890728, AI384130, AI784578, AI539866, AI422699, AW136381, BG121783, AI203643, AI471768, AI017530, AA527472, AA993249, AA745641, AI338585, AI264871, AW518640, AA285065, AI219605, BE042899, AA811130, N22854, BE869549, AA838679, AA975188, AA290955, AA362171, AA150833, AA304222, AA194018, R37937, AA626776, BE780347, U84388, and U79115.
HMPAP48	1445	823359	1 - 323	15 - 337	AL135489, AL135458, BE294104, BE409022, BF025989, BE391987, AW411094, BF313791, BE251775, AL110334, BE559736, BE390953, BE251910, BF219816, AW976185, BE296908, BE272331, BE386464, BE791428, BE260709, BE271887, BF314269, BE514358, BE410935, BE254941, BF027065, BE740832, BF304631, BE561437, BE746318, BF027369, BE747731, BF686608, AI494405, and AA757608.
HMQAI38	1446	589964	1 - 1763	15 - 1777	BG236136, AI637880, AI652725, AI337038, AW059912, AC000403, L38281, AC000403, and AL136440.
HMQAT69	1447	799551	1 - 1926	15 - 1940	BE645756, AW340556, AV706150, BF447988, AW939266, BF063520, AW117348, AA455005, AW965423, BF196365, BF195599, AV686816, BE550046, AW732392, AA455006, BF813151, BE729756, AW997070, BE910219, BE389426, AI761806, AA243715, AW025779, AA313675, AI923534, AI924532, AI206307, AI763370, BF940112, AI539326, AI767598, AI253256, AA565081, AI435995, AI283416, N95433, AW026742, BG005364, R72505, AW072090, W24045, AA085510, AA233068, AW297834, AI858521, C18399, AA810102, AI244405, AA767867, H17597, AA806189, N46194, BG032171, H64704, D78782, AI018272, AI500546, BE465862, AA644147, AI221092, AI758482, AI702245, AI420462, AI380471, BF126060, AA334349, AA972901, W40395, AI693971, AA366158, AW207304, AI804494, AI478802, AW628501, AW338161, BG117628, AA371061, AA775964, AA370703, AW748947, AW748948, BF094518,

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HMQBL90	1448	600363	1 - 1455	15 - 1469	BF084805, BG057829, BG058604, AI932613, AW898076, AW898081, AA398569, AA788590, AA861318, AI814782, AA724649, AV724562, AV724907, W58634, AA844078, W73790, W58491, AW070274, AV722201, AA969353, AI003578, AI886518, H99194, AV722730, AV722686, AV722731, AA855163, AA658186, BE328264, AW001995, AI203922, AI635438, AI055891, AW390545, BG259298, R91962, AI888467, AA847784, AW575358, AI620843, AI963421, AA887312, AI573110, BF974797, AV708819, H18423, AI435293, AW574906, AI476094, AI923193, AV688454, AW276248, AW574942, AI141674, AV702946, BE940533, AI066510, AA528064, AA293707, AI698661, AI811759, AI799354, AW575295, AI434507, AI687371, AW575353, AA745663, AI371776, AA634203, AI634404, AI459824, BE706891, AA809080, AI570862, AW575391, AA421322, AI625973, AI660702, AA421337, AW959121, BE695887, AA628022, AA588598, AI821461, AA903960, AA565220, AA808888, AW250046, AI478690, AI660658, AI802745, AI749760, AI445453, AI679750, AI921033, AA715496, AI141708, AW167611, AI920934, AI589372, AI979154, BE348983, AI150921, AA541663, N56983, AA558653, AA621960, AA603214, AI832708, AI584008, AI432525, AI445754, AI799280, AI719062, AI718405, AA291427, AI735028, AA588732, AI597760, AA714065, AI926579, AA428975, AI719334, AI749966, AI732322, AI668562, AI523511, AI635152, AA743973, AA835350, AI683293, AI735172, AI813613, AI636345, AW001369, AI735345, N24477, AA994436, AW026804, AI568288, AA864302, AA595896, AW468690, BE706342, AI630865, AI669062, AW406019, AW084029, AA845187, AI571482, AI263306, AV651267, AA634210, AI523289, AA742810, AI567878, AW001545, AA808913, AA602531, AI538932, AV691558, AA661637, AW853007, BE939350, AI537755, AA507478, AA847755, AA663930, AI718640, AA610306, AI431690, AI453350, AI445872, AA405195, AA527670, AI569908, AI146649, AI571851, AA650622, AA713747, AA904302, AI601150, AW083862, AI721065, AA744433, AA744039, AI494206, AI493639, BF436639,

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HMQBV82	1449	826522	1 - 999	15 - 1013	AW340636, AW340558, BF928884, BE175775, BE175645, AI125899, AI951293, BE767741, AA029926, BF843882, AI399902, H23094, BE697113, W93351, T06851, BE045743, AI940796, BF984651, AA280720, AI591375, AI053911, BE674920, BE093351, AI733856, AL043718, AW270360, AA828062, AA745507, AA280309, AC002072, AC005291, AC005071, AC011497, AC004622, AC005081, AF001549, AL021453, AL139188, AL442167, AL163285, AC009530, AL034402, AC008519, AL109743, AC005209, AC006480, AL049539, AC005837, AC008395, AL109984, AC004089, AL163279, AC005907, AL021154, AC004166, AC008403, AC011895, AL359916, AC005015, AC006285, AC016025, U07562, AP000426, AC005666, Z82190, AL121949, AL162430, AC002553, AC007055, AL031296, Z95116, AC007285, AL354864, AC008747, AC007384, AC004707, AC004896, AC007917, AL022333, AC002430, AC005041, AP000344, AL354720, AL031577, AL117352, AL024507,

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HMQCB37	1451	732168	1 - 2108	15 - 2122	BF510732, BF205027, BE973733, AW383767, BE390657, AI655892, AI700968, AI041186, AW675515, BG027778, AI478872, BE502597, AW262727, AW299601, BE349971, BG109615, AL038932, AI936079, AI064942, AI084873, AI984129, AA884892, AI183489, AI264533, AW511277, BF221881, AW449401, BF195254, AU152663, AW966607, AA948493, AI700105, AI183451, AI825707, AA921907, F11671, AW452805, H90983, AA844508, F07558, AW672838, N67694, AA905480, AA962376, R52292, BF826830, Z40614, BG032943, T32893, AI051120, AW188427, BF509930, AA639576, BF828714, AI687341, AA808959, AL119331, AI473143, T36227, F09334, BF968610, AV763683, AV699393, AI054414, AL135377, AV700663, T70746, W31531, AA724182, AV722075, AW022897, T69761, AW089625, AA371988, AV742485, AW296890, AK023110, AC010553, AL356464, AC006115, AL022163, AC008745, AL121920, AC008569, AP001717, AL031594, AL136362, AC010463, AL135905, AP001711, AC005225, U91326, AL121929, AC009756, AC002375, AC011497, AL109627, AF111168, AC005052, AP000045, AC005212, AC010326, AC004230, Z99716, AL049761, AL158040, AF003626, Z93244, AF053356, AL139331, AC004491, AC006023, AP000030, AC006948, AL049776, AL138836, AL022165, AL133353, AP000113, AL162831, AC005034, AL021397, AL109797, AP000356, AC007383, AP001710, AF196779, AX039602, AL117330, Z82244, AC012627, AL136231, AC004971, AL050332, AC005800, AF165926, AC009509, AL033529, AC007225, AC010632,

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HMQCL80	1452	603387	1 - 629	15 - 643	AV687035, AA805739, AL080011, BE393551, AV707510, AW409775, BE876652, BE393784, BE909521, AI699154, AV654395, AI671661, BF814429, AI364220, AI611743, AI953765, AV647686, BE091470, BF817746, BF816041, BF913615, AW083804, AI951222, BF816031, AI050666, BF913569, AI677797, AI285417, N74355, AI632981, AW020455, BF947607, AI289077, BE879516, AA493923, AW079334, AV704836,

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HMQCX41	1453	603388	1 - 594	15 - 608	AA483006, BE439867, AI648558, AV726545, AI476089, AW440976, AW236342, AI284640, AW836490, BF899983, BE787738, BE933711, BF922659, AI904894, AL046205, AW361583, AA483034, AA340003, AA077817, BF915008, AV752696, BF926380, BF942942, AW873225, AI291124, BG236735, BF832548, AW467340, AW419262, AI291268, BE872393, AW069277, AI537030, AW630298, BE165532, AA745410, BF089507, AW029038, BE042475, AW467362, AA745582, AV681599, AI962050, AI205126, BF887156, AI246796, BE617809, AW301818, AI053816, BF954967, F25867, BF965007, BF897810, AA601892, F36273, BF690055, AI446464, AA598586, AA649642, AA441788, AA652057, AW407578, BF940837, BF094375, AA229785, AI307426, BF217299, AI918421, AI469003, AA744074, AA744088, AA745355, BF036387, AW849380, AW849378, AW470037, BF769371, AI148446, AA095511, AI865364, AI917271, BE049088, BG249643, BE779948, AI732186, AV715162, AA365302, BF901789, AA515051, AV703137, AV701499, AV732919, AV706025, AI251002, N71724, BF851403, AI679782, BE389903, BF131362, BF248297, BF825343, AW088058, AW166815, AA605274, AI471481, AA713815, AI929531, AW962181, AW962217, AW955169, AW502975, BF869171, AA558269, BF737170, AI053672, AW022379, BF678323, AW963497, AU144500, AA843450, AI653886, AU145462, AV728928, BF982266, AV699574, AA587604, AI921188, BE293796, AI054246, BE873018, BE869857, AA572975, AI133164, BE908796, AW162049, BF974572, AI830390, AI709365, BF875257, BG104686, BF848354, AI286264, AI469172, AW474160, BG058664, AI824562, BE049095, AW406162, AV719316, AV719311, BF831987, AI064864, BF831846, F32705, AW969694, AI334443, AW962044, BF841882, AL135405, AW969698, BE138507, BF833053, AW338869, BF902602, AV700774, AW972871, AA837351, AU158588, AU120185, BE771854, AW406447, AW794809, AI281903, BF920045, AI564185, BF920446, BF767457, BF822429, AI049722, BF917533, AA350859, AA491762,

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HMQDM09	1454	664494	1 - 1263	15 - 1277	AL528640, BE737226, BE796911, BE902486, AL528639, BE894876, BE893903, BG168772, BG164057, BE887650, AW965124, BG167773, BE561001, BF316471, BF032524, BF684159, BF032556, BE887360, BE731952, AA425601, BG164792, BE729171, BE156051, BF975955, AA889946, AA187026, AA149777, AA149727, AI563991, BE385018, AA896979, W92110, W91981, AI924891, BF131170, AA131098, BF360519, AW795200, AI554685, AA677678, BE969703, AA313529, N28846, AA425448, BE733668, AI089390, N30738, AA915996, AA807879, AI151239, AW769122, AA588770, BE742432, AI129561, AA704295, AI183441, N32973, AW081828, AA829291, AI027490, AI572901, AI273343, AA449341, AA131034, AI129489, AI002029, AA403068, AA044045, AA676207, AW674185, AI262329, AV653651, AA043989, BF382940, AI348922, BE792754, AA027935, H53006, N56050, AA449599, AI084724, AI000723, AW768470, AW957973, AW050842, BG166852, AW149650, BF748252, BF902556, AA934741, AA878597, AW297254, W07123, AA687508, H92301, N77959, AI863951, AA295126, AI359266, AA341056, AI280752, AA622577, AI445176, AA047174, AA635807, R70647, AW964261, AI474449, AA366234, R01089, AI418880, BE302917, W88630, H92352, R37209, AI245224, F21436, AA339055, BE971167, AA301828, AA057045, AI675337, AA366512, AI708188, W88629, AW207903, R01817, AA340649, AA188374, H53007, F25426, T40192, AI219147, AW803905, AI370519, F06271, BE729078, R92824, BE888425, AA487735, AW132117, AW024867, AA588632, AA487518, AW856109, BF898720, AA344613, AI908984, AI880108, AI040809, AA378732, BF901731, N44618, R70540, AA933841, Z39164, BE747545, AW900908, AI000874, BF755861, T72433, AA740960, AA053161, C01941, BF902877, AF166124, AK026128, AF187272, AX013753, AC005363, AL499629, AF161388, AC011445, AF195142, AC005606,

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HMQDU07	1455	603180	1 - 1968	15 - 1982	BG059096, AA907252, BG059219, H90217, AW057911, H90218, H90873, H90872, BE154623, BE154641, H06620, H11536, AC006546, AC006545, AL121883, AC022215, Z82254, Z74620, AC079462, U40455, AC007254, AC025445, Z83313, AC017089, AC005002, AC004585, AL022578, AL137843, AL133249, AC025434, AL391666, AF165124, AC021887, U00684, AL023877, AC007068, AL139395, AL162414, AP000324, AP000168, AP000053, AP000121, AP001720, Z83827, AC005192, AC019175, AC019175, AC019175, AL356738, AL356738, AC027048, and AC027048.
HMSAP33	1456	731969	1 - 1586	15 - 1600	AV718260, AA632513, AI538433, AI419388, AW866226, AA015846, AA468022, AA468131, AW235497, AI751216, AW827120, AI284640, AL120933, AI873990, AV713243, AA521323, AW169151, AA521399, AA551503, AV729809, AL037040, AA482806, AI471887, AA581903, BE138466, AI084294, BF725504, AI027459, AA493695, AV760777, BE378770, AA501762, AA507824, AA634889, AV710066, BF902055, BF676536, AA610491, AW274349, AW173553, AA812281, BF245300, BE047640, AV739452, AW827240, AL119713, AW972222, BG150796, AV762535, AW303196, AI872020, AA908422, AV728425, AL042853, AI687343, BG059568, AW583108, AV733830, BG109996, AA828749, AL045053, AV759437, AI583283, AI932493, AA490183, AI270117, AV760042, BE253048, BF681649, AW023389, AI580250, BG060148, AL044000, AI797903, AA603185, AW301350, AI305766, AA372967, AW960545, AA531186, AW979031, AW327868, AW302903, AV764578, BF698510, AV762050, BF677892, BF337291, AV764307, AA478355, AA664909, AW502975, AA502866, AV755070, AW275510, AV738993, BF681576, AI939465, AA491831, AV761613, AV729881, AW270343, AW503256, AW853873, AW970871, AL038072, AW020340, AA857486, AV763354, BF130605, BF697673, AV761547, BF666395, AA769221, BF871137, AI873852, AI345157, BF673914, AA526536, AW472872, BE893169, AV762098, AW021735, AW264934, BG003382, AV725423, BF668217, AA935988, BF679304, AV733627, AF330238, AW089663, BG249643, AA687209, AA747070, BF347791, BF347740, AV703942, AI801482, AA661921, AI696962, AV745092, AI247199, AA584167, AA848134, AA548058, AI431303, AL120927, T41259, AV740801, BE159380,

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HMSAZ48	1457	877650	1 - 1804	15 - 1818	AA489184, AW968968, AI056279, AA489099, N52281, N72933, AL163279, AF064861, AL109925, AC021863, AC009311, AP001693, AF129408, AF129408, AF064861, and AF064861.
HMSBN18	1458	847405	1 - 1250	15 - 1264	BF987908, AV731652, AI242047, BG013985, AA418333, AI685396, AA211589, Z99365, AI750154, AA522450, AI285813, AI921634, AA434477, AI333397, AW970651, T67419, AI264351, AA179929, AI186846, AI274932, AA169800, AA216639, AA205463, AA206489, AA838754, AA223178, BE146091, AA703512, AI678027, AA169167, T89653, AA210851, AA506505, AW854574, AA837803, W02703, AA233457, N66779, W25656, AI144451, AA160532, AA196784, BG255562, AA219255, BF940575, AA573603, AA219599, BG236150, N27177, AA227445, AA227186, AA205505, AI360851, AI094704, AA205926, AW872570, AW593673, AW674105, AA807651, AA223472, AA213692, BE061531, BE675378, AA872467, BE061527, F10104, AW813774, H86776, AA223497, AI820789, BE536565, BE733329, AA535465, H38219, AI350114, H23607, AI262493, AA015818, BE061578, BE061530, BE061526, N90352, AW129244, H87778, BE061504, AA843865, AI052113, AA173762, AA227040, BE061575, T88944, AI709011, AA936323, AA205222, T53321, AI949977, AA017326, BE902611, BG260886, H54619, AW973146, AW796182, W05366, AI762542, AI280212, AI871419, AW896622, AA252138, AA832265, AA242847, AI567438, AA424458, BG058115, AA424412, AA401064, R47880, AA434396, AI821441, AI732265, AA890486, BF736442, BF900157, AW593679, AA346818, AA984688, BF028916, BE146078, AW874361, AW967555, AI858539, L13822, BE388701, N93216, BE278946, AA319772,

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HMSBS25	1459	826487	1 - 1352	15 - 1366	BF852946, AI364973, BE327702, BF445366, AW954540, AA324145, BF104796, H17157, AW959372, AW951170, AF105366, AF116242, AL117500, AF108831, U46128, A30438, I25947, L40401, AJ133038, and AR040601.
HMSBU14	1460	844443	1 - 2063	15 - 2077	AL532400, AW246964, AL532399, BG004210, BF969693, BE070274, AV706963, BF912196, AL041338, BE267487, AW864661, AU125072, AW859880, AW803174, AW513243, AA682198, BE070414, BF768619, AI697333, BE161049, BF768470, BF889241, AA017203, T59569, BE241666, AI401741, BE387954, AI820995, BF952657, BE167244, BE389705, BE936997, AI811541, BF931189, AA720727, BE387771, AI950387, AW168135, AA521181, BF759523, AV753409, AL079417, AA309932, BF957468, BE047430, BF918607, BE243895, AI673717, BF823335, AV730996, BG027937, AV731053, BE245344, BE244806, H24306, AA400059, BF030029, BF981353, T19299, BF734637, BF965196, AA974502, AI190764, AW090437, X98425, AV730039, AV731500, BF849973, R49972, BG029734, AW979107, W22220, BF883830, AA335355, AI805896, BE891007, AV655302, BE254708, AI963953, AW820740, R47878, BF797873, AV690294, AV730315, BF210053, BF025721, BF999294, AL353811, AC016652, AC005722, AC010352, AL161621, AC010389, AL121949, AC005576, AP000511, AB023048, AC004197, Z81365, AL160192, AC004833, AL136309, AC007632, AL121871, AF146367, AL160401, AF124523, AC006006, AP000362, AC016951, AF223391, AC008486, AC006459, AL441927, AC006222, AC020599, AL157718, AC005281,

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HMSBZ10	1461	610020	1 - 1979	15 - 1993	T40689, AC016397, AC010384, AL161724, AC016397, AC016397, AC016397, AC068063, AC068063, and AC068063.
HMSCB94	1462	847406	1 - 1918	15 - 1932	BE350772, AA812058, AW269504, BE897079, AW504485, AV757289,

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HMSCK12	1463	825475	1 - 1527	15 - 1541	AA746911, AI821768, AA410788, AW439810, AW769654, AA228778, AA828834, H47835, AW979295, AW575000, AI792112, BE154807, AA613594, AW328202, AW591304, AU147162, N57681, AA873573, AV762419, AW512269, AA176604, AC021016, AL139102, AP001725, AL133260, AL049795, AC005089, AC006208, AC004686, AL034380, AC005553, AL136979, AF111168, AC004674, AL121889, AL133387, AL138478, AC007314, AL121753, AC005412, AF280107, AC011495, AL121652, AL160175, AC012309, AC004130, Z99716, AC025594, AC007066, AF111169, AL121601, AC006026, Z98950, AP000509, AC004383, AP000010, AL352979, AL159977, AC005863, AC005086, AC004840, AC005531, AL035404, AL023807, AC007546, AR036572, U91328, AL353802, AL096791, AC008733, AL162390, AL121653, AC002404, AC002375, AC005771, AL135901, AC009194, AL163218, AC004009, AC007308, AF168787, AL133174, AC007262, AC007536, AC011445, AL132653, AP001728, AC002059, Z98200, AC005568, AP000701, AC006996, AL121903, AC008115, AF134726, AL157818, AC008474, AC004778, AC005535, AL024509, AL158141, AL162430, AC000026, AC011489, AL034423, AC008372, AC008745, AL121886, AL117381, AC008554, AC005038, AF031078, AC007160, AP001705, AL137802, AF215937, AC006974, AC004752, AL031577, AC002429, AC002470, AC020898, AL096701, AC005746, AL136980, U91326, AL049537, AF030876, AL022315, AL031657, AL392106, AL109865, AC002365, AC004966, AC005859, AL022326, AC020904, AC002551, AC008848, AP001727, U82828, AC004967, AC012442, AC008395, AC027319, AF053356, AL365315, AC004656, AC007098, AF023268, AC020912, AC087084, AL049553, AL356575, AL034429, AC005823, AL050335, AC005500, AC008813, AC008784, AP000346, AC007850, AC020908, AC027644, AC025593, AP001689, AC023105, AC007537, AC006211, AC006571, AC005484, AC010311, AL109804, AC005911, AL080243, AC024070, AC007731, AC004166,

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HMSCP63	1464	665517	1 - 920	15 - 934	AW959372, AW951170, U61375, U46128, A30438, I25947, L40401, and AR040601.
HMSCV75	1465	838530	1 - 1611	15 - 1625	BE440005, T06598, BF973489, AW151925, AW575909, AA708322, AC007383, AL133448, AC008372, AL049709, AP001725, AL031588, AL353812, AL161937, AL355385, AL133454, AL162424, AL050341, AC002404, AP000563, AF168787, AC011455, AP001721, U52111, AP000133, AC003957, AL135978, AC000353, and AL078461.
HMSCV85	1466	858776	1 - 2114	15 - 2128	BF663610, BF662899, AI741232, AA889099, AI424919, AW002031, AW296687, AI287826, BE070357, BG005627, AW959372, AW951170, AF110907, A30438, U46128, I25947, L40401, AJ133038, AR040601, AL132801, and AL132801.
HMSCW44	1467	716249	1 - 1295	15 - 1309	H58300, AA515728, AI813849, AA650068, AA584484, AW962006, AA773463, BE000614, AA642809, AA714011, AV738383, AA595661, AV758903, BG026977, AV762982, AA808875, AV762979, AA828637, AA904211, AA618263, AW962942, AV760915, AA282951, AI962030, AI744830, AW023111, BF991881, AA487475, AV762430, AA535216, AW502237, BF854170, AI923052, AA515351, BF991882, AA502207, AV763026, AV763058, AI380617, AA452887, AL079734, AW575605, BE062476, AA654778, AA534064, AA659608, AA602906, N39953, AA714288, AA651632, AA811741, AA948670, BE396138, AW504224, AA128511, AA488689, AA070899, AA714110, AI537995, AV706945, AI130709, AI583448, BE393507, AA503298, AW778780, AA579427, AI536858, AA533176, AI056177, AA715706, AV762033, AV649853, AA657835, AA468322, AW275432, AA115863, AA541532, AL079869, AI252880, T40799, AW272640, AA581247, AA557982, BF724699, AA410788, AA515048, R64640, AA613624, AI192440, AI801505, AI859438, AA489240, AV655282, AA228778, AA595770, T41132, AA640710, AA701080, AI499954, AA584482, AU144234, AI687343, AA708322, T57767,

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HMSCZ19	1468	847408	1 - 1672	15 - 1686	BG113995, BG250501, AV709144, BE394750, BE962896, BE613347, AL523097, BE620685, AW955267, BE394608, AW247322, BE300196, BE780258, BE790295, BE264332, BE542823, BE388181, BE549444, AI754431, BE540552, BE965102, AF009767, AV682123, BE866647, AW247461, AL530183, BE537921, W28140, BE299880, BE205767, AA488410, BE207938, AU129652, BE383180, BF002756, T51930, BF312372, BE797871, W67716, BF742188, AA488546, BE271822, AA430733, AA310580, AA306714, BE779364, AW733140, BE383607, AW250460, BF038695, BE965542, AA428359, BE902485, BE252607, AA789061, BF316256, AI985774, BE382615, AI630946, AA555244, BF313517, BE019170, BF943552, BE387649, R49492, BE620456, BF029965, AI351586, BE839804, BG116827, W68175, AI383123, BE252899, BE742581, BF835985, T51720, BF306105, BE783695, AA483161, BE779195, BF835995, AA613790, BF725218, T35761, AA029069, BG256400, AI206669, AW339421, AW503799, T03466, AA369496, AI832842, AU129245, AW247099, AA173041, H49261, AA814446, BE259364, AW579368, BE785206, BF083018, BF891210, AV764259, AI434695, AI733856, AW270258, AA828062, AW439555, AW833130, AA662976, AI537772, AW970877, BE145442, AA847702, BF984807, AW265090, BE208664, AV755677, AA706291, AA483606, BF217110, BF674098, BG260454, BF692524, AA838190, BG178784, BE788081, AA618452, AV760383, AA570740, AI040051, AV713127, BF915799, AA503298, BG169377, AV762979, AA847095, AV762741, BE156651, BE153243, AA776899, AW979295, T54600, AI002744, BF845125, AA833896, AA833875,

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HMSDI67	1469	827298	1 - 2139	15 - 2153	BF948847.
HMSDI79	1470	813514	1 - 1776	15 - 1790	BG107375, BE295624, AI123348, BE382497, AI417830, AI123698, BG167558, N53143, AI470030, BE383598, AI955224, R69639, AW000844, AW342077, AJ289820, AA534687, R12096, AW294198, D31326, AA345483, H17823, T15834, H17323, R17551, AA553685, N58577, AI248017, BE161820, AI220073, R42888, T26637, T85271, R36850, D31064, T99687, R69560, T34756, R39028, AI991788, AJ278554, AW605016, AW811593, AW951170, AW959372, AF131762, U46128, A30438, I25947, and L40401.
HMSDR28	1471	801948	1 - 1305	15 - 1319	BE542116, AW960263, AI273603, AA410287, AL120521, AW675048, AI569458, AI040513, AW674317, AA460838, AV686933, AI803916, AW607683, AI351471, AA721235, BE387734, AW406447, N70448, AI679294, AI679871, AU158864, AV700988, AV762220, AW973197, BF941382, BF887434, AW338417, R36891, AV700498, AA862227, BF913258, AW833862, AI923052, AA579179, AW088058, AV700545, AI821044, AA707849, AC002045, AC008805, AF001549, AL118520, AC026805, AC005519, AL078461, AL024509, AC083871, AC010458, AL139099, AC025593, AL121899, AL031848, AC005089, AL021578, AC002477, AL049761, Z98200, AC005081, AP000692, AC006111, AL132777, AL357752, AL034379, AC008753, AC004985, AF168787, AC000159, AC011449, AP000496, AF314058, AP001725, AC004166, AL139327, AL117382, AC012309, AP000512, AC011895, AL355392, AL021546, U62293, AC004702, AC002542, AC004962, U95742, AC004477, Z93017, AF196779, AC083866, AC004150, AL022476, AC005840, AC020629, AC005529, AL121890, AF067844, AL109825, AC009516, AC002039, AL049776, AC000353, AC011495, AB023051, AC003109, AC005411, AC004832, AL050335, AC005046, AC007386, AL096712, AC002350, AF196971, AC008126, AC018738, AC005972, AC007308, L78810, AC004890, AL008635, AL109984, AL136105, AC008736, AC007637, AL034380, AC020917, AC009044, AC007376, AL121652, AC005179, AC005921, AC004644, AL135924, AC020916, AL049542, AP001712, AC008626, AF111169, AC007688, AL136979, AC004878, AC004846, AL356299, AC005940, AL035587, AC005052, AC005080, AL033529, AC008155, AC002070, AL136300, AC005488, AC005200, U80017, AC005484, AC005020, AL133229, AC010205, AL137230, AL158815, Z93244, AP000558, AL109624, AC009155, AL035684,

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HMSFT25	1472	581069	1 - 1490	15 - 1504	Z36759, AU147901, F32135, AA244397, BF431765, H87252, AW190655, AC003101, AC007221, AL031682, AP000118, AP000165, AC007450, AL450169, AC021036, AP000512, AC008738, AP001719, AC004659, AL034349, AC004526, AP001730, AL139350, AC009223, AC005792, AC003108, AP001672, AL161907, AL133405, AC008896, AC005969, AC008551, AF241727, AC005736, AF111168, AL117333, AC006270, AC023478, AF200465, AC006515, AC007739, AP000115, AC034195, AC005295, AC006511, AP001717, AC005844, AC002079, AL137016, AL137818, AC008543, AC018720, AC004841, AL450226, AJ400877, AL023284, AL137039, AL031733, AL161630, AL163248, AP000080, AC007685, AC005488, AL049631, AC005838, AC004965, AP000018, AC007225, AL022336, AC005234, AC008155, AC004382, AC020917, and AC016171.
HMSFW52	1473	603177	1 - 1631	15 - 1645	AA309918, BF668217, AI963720, AI284640, AV740801, AW193295, AW513362, AI061334, AI350211, AL046409, AW193265, AA581903, AV760937, BF970654, AW500125, AW833862, BF918590, AI613280, AI431303, AA610491, AI818620, AV691147, AW502975, BF919090, AV764307, F36273, AW265393, AV763354, AL119691, AL041690, BE350475, BF677892, AI334443, AL044858, AV762139, AI471481, AW673241, AW265009, AW769399,

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HMSGT73	1474	737837	1 - 1452	15 - 1466	BF908945, AW959372, AW951170, Z97352, A30438, U46128, I25947, L40401, and AR040601.
HMSGU30	1475	847409	1 - 1814	15 - 1828	AV715833, AA769310, AI826460, BF790844, AU153650, AW166211, AU160375, AW292992, AA779447, AW418525, AI452519, AI823888, BE961037, AI684798, BF433538, AI655985, AW770982, N64369, AI276257, BF033751, AA435643, BF217285, AA639510, AI689818, AA394033, AU152276, AA393837, AA435651, AW772604, AA807639, D25894, D60974, AA286844, BE967276, BF763298, AA665974, AI702262, AI540258, BF361706, H26865, AU143256, BF672893, T24552, N41739, AK023226, AY007102, AK023074, AC006330, AC018797, AF224669, AC004167, AC020906, Z97054, AF111168, AC018720, AC006449, AL121655, AJ400877, AL138958, AC027319, AL121652, and AC006241.
HMSHB42	1476	792385	1 - 2732	15 - 2746	AL524994, AL524993, AU120661, AI968252, BF224044, BF589333, AW137680, AA001235, BF432090, BG260164, AI670966,

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HMSHB42	1477	600401	1 - 1493	15 - 1507	AI968252, AU137011, AW137680, BF963926, AU120661, AI689904, AI968636, AW518700, BF961657, AA524355, AI299554, AA349947, AL537876, AA361004, AA349948, AA081628, BE676959, AA361434, N45574, AA323861, AW514196, BF954238, BF924409, AW137315, BE327173, AI689806, BF224044, AL524994, AA360822, AI366951, BF670685, BE008356, AX002254, AX002258, AF249744, AK024340, AB046022, and AX002256.
HMSHN72	1478	855917	1 - 1583	15 - 1597	BF511160, BF061956, AI290708, BE858395, AW475063, AW103533, AI819652, BF059016, AI146394, AA047284, H84077, H62901, AW593754, H84071, AW083395, T54083, AA047145, H62935, AI356722, AI863749, AW877938, AA317138, N67583, D20382, BF886988, AI124103, BE834179, AW959372, AW951170, AW960162, AJ224864, AF161346, AF176991, AF020314, A30438, U46128, L40401, I25947, and AR040601.
HMSHT29	1479	825459	1 - 1280	15 - 1294	AA010477, AA703534, AA010260, AF158240, AW959372, AW951170, AL031120, U46128, A30438, I25947, L40401, AR040601, and AL031120.
HMSHW73	1480	704099	1 - 2270	15 - 2284	AW844363, AW844535, AA644090, T74524, AA661969, AA659232, AA515728, AA825827, AI669421, AA714011, AW501542, AA602906, AA084609, AA502207, AA714331, AA501461,

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HMSIC48	1481	825462	1 - 1381	15 - 1395	AL355675.
HMSII36	1482	825453	1 - 1215	15 - 1229	BF929871, AA657910, N73060, AA828911, BE005725, BF027764, AI280574, H57976, BF837325, AI561054, AA766193, BF798987, AI471455, BG254947, AI687343, AW009653, BF791923, AA904211, BF971214, AA721523, AA721530, T52786, AA297145, AU144320, BE002743, BF339977, BF971280, AF141325, AC003006, AC078847, AC005243, Z83826, AL118516, AC004596, AF243527, AF027390, U47924, U78027, AL035422, AC006965, AC007666, AC008848, AC003110, AF064866, AL139182, AC006536, AL109840, AL121747, AC007934, AL133174, AC010102, AC011465, AC010311, AL121891, AC006476, AC005971, U85195, AE000658, AL031848, AC011248, AL163249, Z93015, AC005190, AC007000, AF053356, AL163283, AC005844, AL135787, AL109825, AC004089, AL138743, AL121899, AP000248, AC004167, AC004671, AC000052, AC005015, Z82203, AC007157, AL049757, AL109976, AC004019, AJ295844, AL049570, AC008812, AC010271, AL049759, AC008747, AC009004, AC004463, AL121895, AL034405, AC002996, AL049636, AF327111, AC016601, AL137798, AC004150, AC008074, AC005291, AC004867, AL049780, AC007055, AP000557, AL034548, AL118520, AC005225, AC005236, AC011491, AC009511, AC006211, AC005412, AC004692, AL353678, AC007850, AL023881, AC007845, AC002492, AC009032, AC005048, AP001671, AC005098, AF254822, AC008482, Z84487, AL096767, AL161916, Z99943, AC018644, AC007298, AC006071, AL139100, AL109804, AC005066, AL138787, AC007066, U82828, AC011442, AL356747, AL159997, AC004593, AP001712, AC005972, AC010618, Z84474, AC007226, AC008008, AC008379, AC005233, AC002059, AC007637, AL050318, AL121906, AC004494, AC004224, AL078581, AL390738, AL136179, AC004991, AF205588,

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HMSIT42	1483	581070	1 - 1152	15 - 1166	AW976724, N51263, AI218381, AI370885, BF154921, AI354655, AI632991, AV654946, N67336, AA745257, AA814327, H02453, AV740801, AI284640, AI281881, BF668217, BE047069, AI350211, AU147800, AW419262, AA513141, AA720702, AA581903, AW028429, AI431303, AW131249, AI963720, AA491814, AW193265, AL046409, AA469451, F36273, AW472872, AA680243, AW731867, AW088846, AW833862, BE042649, AI635818, AW276827, BG032943, BF792954, AI499938, AW975987, BG249643, AI801600, AA178953, AA192740, AW975425, AI289067, AW502975, AV725627, BF851403, BF055844, AW406162, AW265393, AI144101, AW576391, AI613280, AV760937, AW265009, AI821271, AW303196, AW274349, AI564185, AI085719, AI732120, BF725504, AV728928, BF793766, BF965007, AA526787, AW276817, AI619997, AW301350, AW270270, AV763354, BE350475, AI149478, AW083364, BF915839, AA503258, AW083402, AI471543, BG059568, AV764307, AL043009, AI754955, AI305766, BF854876, AI696962, AI298710, AI928790, AW474299, BG058664, AV759382, AV728425, BF677892, AI358571, AV762558, AV762139, BF337291, BE160727, AW167372, AF330238, AW963497, BE206443, AI653886, BE389111, AI370074, AI370094, BF876961, BF756894, AA587604, AV722239, AW276435, AI148277, F28204, AV763540, AW438643, AV757607, AW072587, BF942454, AV691147, AW965008, AL046205, AA579063, AV731764, BF241967, AV764241, AW872676, AW338086, BF841869, AI445448, AW574794, AU158279, AI887483, AA577906, AV725423, C75026, AW247819, AW772780, AI375710, AW162489, BG178002, AW268973, AI732186, AA126051, AA126035, AI886629, AI754658, AI537955, BF915247, BE881336, BE908796, AV760486, AW974109, AV710066, AI590772, AW339568, AV762050, AV760774, AI270117, AW510513, AI963095, AV700812, AA806796, AI539563, AW500125, AI053623, AC005004, AC002379, AC005531, AC004854, AC005011, AC007685, AL136179, AC009506, AL080242, Z49235, AL050318, AC005076, AC008623, AC004971,

0950087 091201

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HMSJB08	1484	877651	1 - 2361	15 - 2375	AA706818, AW963910, AI573185, AA582672, AI334217, BF826531, AA765938, AA307123, BF836586, BE929878, BF916048, AW963908, BF826604, AA862772, AI351962, AW793064, R01633, R01634, BF895963, AW949220, BE932567, BF833411, AA381661, AA381405, BF746704, AI471283, BG058283, AW605941, AW605944, AW009277, C21070, AC004685, and AR044136.
HMSJI69	1485	759982	1 - 1316	15 - 1330	AC073412, AC073412, AC073412, AC016754, AC016754, and AC016754.
HMSJM20	1486	747684	1 - 1456	15 - 1470	AI677839, AW904434, AA431624, BF111004, BE673221, BF958123, BF962191, BE173304, AA406111, AW182074, AA431337, AA911690, AI659348, BE858869, AW449084, AW003209, AW197429, AW959372, AW951170, AW960162, AK000229, U46128, A30438, I25947, L40401, AJ133038, AR040601, AC064801, AC064801, AP001584, and AP001584.
HMSJR44	1487	638098	1 - 1711	15 - 1725	AW853063, AW853134, AI866487, AV699423, BG105817, AU158859, BE740358, AL120343, BG028665, AV700654, AV760466, AW970856, AV759518, AV759356, AV760364, AV760391, AA680243, AV760560, AV760389, AV762022, AV733824, AV756348, AL046746, AI732120, AV759711, AV762902, AW973406, AV762900, AV762645, AV762001, AV707404, AL138455, AV763174, BF915799, AA984258, AV759683, AI114591, AV756220, AV762395, W96522, AL135698, AV762129, AV762779, AV761309, AV759686, AV760701, BG029528, AA504951, BF982222, AV759684, AL048626, BF877643, AU154050, AV759682, BE796439, BF901147, AW963982, BE252421, AL042377, BF965924, AV763135, N73314, AL138431, AU118745, AU144080, AV763971, AI821044, BF337291, AL138265, AA126635, AA760655, N23649, N27362, BF769185, AC008569, AP001710, AC005291, AL137009, AC004821, Z84469, AC008897, Z98884,

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HMSKQ91	1488	825450	1 - 889	15 - 903	BE082412, BE244473, AC024558, AC024558, AC024558, AC073439, and AC073439.
HMSKY45	1489	747708	1 - 1759	15 - 1773	BF434160, AI078305, H52420, H52421, BG033669, AW373516, AI675872, AW367495, AU129441, AW959372, AW960162, AB007963, AK001487, U46128, A30438, M60510, AC013593, and AC013593.
HMTAF92	1490	740784	1 - 2204	15 - 2218	AU142702, AL520885, AU119065, AL521572, BG261209, AL534353, AW069716, AU128570, AL521573, BG105210, AL520886, BE875026, BE550924, BF853725, AI421766, BF732464, AU145492, BE539381, AU159949, BF029537, D82449, BF223385, BF698848, AU150835, BF673691, BG171230, BE503404, AW470231, BE890380, AI291397, AW467585, AI400178, AA099579, AW076095, AA129508, AI525838, AA278525, AW207041, D82382, AA551897, AA234355, AA078970, AI924483, AW376421, BF108897, D82521, AA234409, N63218, AA398807, AA742273, BF062716, AA847286, AA779241, AA136558, H08387, R50903, R62326, AI362547, AI475456, AI001184, AA169336, BE164595, H08388, Z21167, AW300398, AI335561, AI536871, AA935853, R62325, W15176, AI934006, R50786, AA171920, AA508064, AI784070, R01160, AA758866, R40601, AA629859, T10839, AA079011, BE080252, R06895, BF437309, AI695842, R13122, AA090366, BE868268, H93896, D20361, H70501, AA400859, BE085643, BF057243, AI681965, AW295732, AI758675, BF222743, R06937, AA779157, AW582778, N78670, AA356128, BE551467, AI540236, AI126144, AW665698, R89794, AF077040, AK022931, and AF073344.
HMTAT36	1491	811885	1 - 1105	15 - 1119	AW959192, BF945237, BF816021, AW804037, AI240393, BE858477, AA233899, AI378406, AI334149, AI377537, AI373157, AI682218, AA917421, AW079532, BF095556, AI302603, AI275504, AA878927, BF095624, AA687886, AA989418, AI057286, AA358936, AW150835, AA359473, AI499788, AI300066, BF095734, AA991861, R00226, AW189691, AW879254, BE936719, BF960074, AI168696, AW879253, AW879257, AW392552, AW392555, AW014053, AW271265, AK025273, AK026918, AX035283, U06713, AC022969, and AL358340.

HMUAB93	1492	822909	1 - 1941	15 - 1955	AI547307, AI547306, AW978792, BF379356, AV728334, BE672676, BE219783, AW408403, AV727294, AI220289, AI675062, AW979293, AI565120, AI094751, BF108447, AA847397, BF196613, AA838099, AI654140, BF437620, AW366285, R92791, AA836331, N58363, N77731, AI090639, AI694458, N58354, BF085540, AL162584, AP001155, AP001155, AP001158, AP001158, AP001321, AP001321, and AP001321.
HMUAD65	1493	809097	1 - 1514	15 - 1528	AI207424, AW575000, AL036896, AI679002, AW970571, AW969743, AI733856, AW069227, BF854308, BE139139, AI250552, AI284543, N40092, AI251284, AI251034, AI251203, AI254770, H86725, AW973541, AA502991, AV759632, AW303098, AI249853, AI792575, BF809041, AI669589, AV695478, BF916784, AI431513, AI989408, AU130337, AI634187, AI701053, AI569591, AI061313, AL047254, T47138, BF832074, AV723671, AI243793, AI369580, U85195, AE000658, AL022323, AL050349, AC020913, AC021016, AC006077, AC011465, AC005261, AC005071, AC004826, AL049776, AP001718, AL049760, AL050335, AC053467, AC004491, AC005844, AL031255, AC003041, AL049856, AC004253, AC011445, AC006039, AC003663, AC004883, AC019171, AC006487, AL121586, AC008474, AL138836, AL049569, M89651, AL157384, U91318, Z68276, AC020906, AL034380, AC005377, AL096870, AC005048, AJ009616, AL021154, AC009247, AC004876, AL353777, AC011450, AC008745, AC004805, AC005900, AL049636, AC005081, AC006000, AL137039, AJ011930, AC008569, AC004099, AC024075, AC005666, AF019413, AL035422, AL034429, AC007055, AL159997, AC000159, AL136305, AC008102, AC005225, AC011455, AC007546, AL158040, AL356299, AC004966, AC002073, AL034423, AP000967, AC008812, AL136179, Z93023, AC009032, Z85986, AL353807, AL137162, AC011495, AC009756, AC008264, AL031291, AC005778, AC008403, AP001717, AC027319, AC003684, AL109804, AL008718, AP001725, AC005722, U47924, AL163300, AC008537, AP000140, AC004583, AL117381, AC005940, AC011477, AL121897, AC084732, AL031584, Y14768, AL135744, AC011895, AF053356, AL031289, AC007404, U78027, D87675, AP001670, AL031670, AC004859, AF285442, AP000088, AC004840, AL132653, Z83846, AL138976, AC005971, AC009509, AC005484, AC010170, AC008623, AC004922, AC008738, AL021707, AC006433, AC005209, AL024498,

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HMUAT23	1494	897758	1 - 2055	15 - 2069	AU122714, BF971356, BE621492, BF673165, BG108177, BG260834, AI948512, AW957752, AI650848, AW205055, AW578907, AI565989, AI651953, AI701100, BF061864, BG107559, AW857785, BF694793, BF694841, BF094555, AI384087, BF672879, AW665046, AI417121, BF241564, AI148129, AW731708, AI492502, AI146344, AI920811, AI923718, AI368059, AW673560, AI798646, AI308171, AI862666, AA282333, BF244970, AI766803, BF575842, AI288945, AA905267, AA904735, AA400732, AW771308, AA442694, AI914082, AA132285, AA282069, AI890117, AA400457, AI458515, BE552265, AW515686, AI273524, BF693219, AW512006, AW242482, AI334601, AI422530, D59834, AA737494, AI475997, AA642305, AA354148, BE621719, C15272, AA305715, T92517, AA337575, AW105089, F25739, AW015501, R39716, AA337906, T91759, AW961108, AA132264, R36636, BE814466, T91753, AI572422, BF242596, AW576228, BF369286, AL514701, AI572892, AW087445, AI924971, AI434468, AI677796, BE544111, AI570781, AA093898, AW827206, AI280637, AI349004, AW268220, AI247193, AW827289,

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HMUBA47	1495	786380	1 - 1514	15 - 1528	U55978, BE620562, AV714112, AV715029, AI826285, BE547489, BG114512, AV726059, BF526434, AI308850, AW953622, BE966058, BF916453, BF433209, BE620134, AV712901, AW377472, AA776792, AI564793, AA150378, W60921, AW467428, AW519079, BE673967, AW026648, AI819057, BG180286, BE047614, AI925743, AA923274, AA744819, AA775715, AA157019, AA992084, AW071477, AA987691, AI829186, AI243210, AA150277, AI885258, AA969865, AA780713, W26120, AI092833, AA781935, AI359792,

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HMUBJ22	1496	824071	1 - 1737	15 - 1751	<p>AV724107, AV721683, AV686440, AV683043, AI472209, AV714187, AI128494, AW955616, N44784, AW516195, AA846525, AI924487, N35474, AV708748, BE538923, H12801, R70032, BE440201, W58562, AA330895, AV736839, BF245413, AV740098, AI220794, R76119, AA359093, R70079, W57813, R24406, R76176, AA377264, BE538116, H12758, D62600, AI582551, R24407, AW880875, W58563, AW886016, AA328446, W57830, AL514793, AI267376, AI583065, AW104724, AL513907, AI590227, AL515191, AI436644, AL513911, AI445025, AL513991, AI637584, AL514919, AA523183, AI433157, AL513807, BF812961, AL513763, AI613017, AL513553, AL515373, AI799199, AI636719, AI538716, AI499463, AL514473, AI499131, AI572787, BE966388, AI440239, AL515413, AI564719, AV733470, AI828731, AW198090, AW129170, AI475451, AL514691, AL513779, AW148320,</p>

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HMUBK53	1497	553624	1 - 738	15 - 752	BG031834, BE693244, AW370268, BF132507, AI458329, BF059569, AW294902, BF746237, AW025854, H10863, AW962306, R38928, BF746223, H46055, AA310748, H18795, AI018751, AI307545, AI917171,

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HMUBN24	1498	647633	1 - 615	15 - 629	AW877209, AL119324, AL119457, AL042544, AL119399, AL119319, AL119443, AW392670, BE695785, U46351, AL119418, AW804686, AW604723, AW858526, AW858525, AL134902, AL134920, AW861944, Z99396, AL119401, U46350, AL119497, U46347, AL037205, AL119484, AL119391, AL119464, AW363220, AW384394, AW861889, AW858455, BE705903, BE705906, AW577135, AW372827, U46349, AL119355, AL134536, AL119439, AL119363, AL119444, AL119483, AL119522, AL043019, AL134531, AW971745, BF868684, AL134525, U46346, AW604726, AL119341, U46341, BF868697, AL119335, BF868687, BE705905, AL134528, AI142139, AL134538, U46345, AL119396, BE705904, AL119496, AL042450, AW861954, AL042542, AL042614, AL042965, AL043033, AL042984, AL042975, AL043029, AL043003, AX030435, AR066494, AJ251859, AX046357, AR060234, AB026436, AJ279014, AR054110, A81671, and AR069079.
HMUBO15	1499	597434	1 - 795	15 - 809	AI056700, AW469151, AA044917, AA452691, AW469134, AI376420, AI693903, AW469145, AA045055, BE147483, BF692237, N75130, N47309, AI075353, AW269837, AV682441, AV723772, AL514791, BG108147, AV681872, AL513597, AV682289, BF724691, AL513907, BF795712, AL514803, BG058208, AI906328, AI349772, AV682809, AV710479, AV681951, AL119049, AV758592, AL514627, AW071349, AI815383, AW080838, AV682466, BE870827, AL515047, AV681857, AV758110, AW166645, AL513803, AL514473, AV756477, AV755581, BF054789, AL514935, AV733397, AV681668, BE047863, AV723204, AV682351, AI868831, BF673434, AV682266, AW827203, BF726322, AV706777, AL514087, AV682772, AV756703, AV711509, AV695052, AI207510, BE613622, AV723062, AV655645, AI907070, AW467961, AV682249, AL515041, AV758217, AI149592, BG108324, AV681630, AV682252, AV681858, BF968041, BG259801, AL515373, AL047042, AV755614, BE777769, AI349645, BE964812, AV682051, AV682479, AV682330, AI624859, AV704928, AV704350, AV726951, BG105099, AI220734, AV729890, AV757096, BG257535, AV681927, AV708119,

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HMUBX48	1500	847412	1 - 1194	15 - 1208	AA301409, AV705784, AL357559, Z83818, AC006524, AP000315, AP000118, AP000165, AL365444, AP001719, AC026736, AL137062, AF241728, AC022212, Z96050, Z94277, AL133480, U91321, AC019215, AC009429, AL357084, AL356962, AC002114, AL157779, AC010144, AL356954, AF152363, AL121867, AP000316, AL009179, and AL357559.
HMUBY57	1501	844800	1 - 2127	15 - 2141	AU118286, BE879301, AA936465, AA526392, AA434032, AA063608, AA102309, AA282240, AA158755, AA158754, H00732, R27305, R77058, R30904, AW338464, AW103939, AU144885, R76894, AA437393, R25219, R30858, AA670254, H89147, AA036691, AI733856, AW514006, BE063437, AA601278, AA644090, AW969743, AL040054, AA714011, AA570740, AA483606,

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HMUBZ15	1502	609837	1 - 1104	15 - 1118	AL535039, BE799728, BF663280, BF339179, BF343045, BF530671, AV721081, BF971384, BF683148, AW474330, BE409067, AL535040, AV722779, AI283800, AW149668, BF686613, AI860217, AW027094, BE886054, AW732961, AI936951, AI336303, BF125402, AW439805, BG170987, AW027190, AI197869, BF125262, BG025610, AI284344, BE786959, AW008214, BE221232, BE385865, AV706289, AA789235, BE896455, BE257107, AI186305, AI378289, AV707931, AI203616, AA887213, AA476807, BF436333, AA868421, AA916732, AA428906, BG232028, AI348222, AI150490, AA866103, AI674966, AA988120, BE787718, BF681669, AI130947, AI362761, AA853971, AI361595, BF125477, AW005120, AI050804, AW957325, AW005133, BG054993, AI499919, AI423102, AI269322, AI369203, AW050643, AI859185, AI342991, AW327316, AI817443, W57577, AA443755, AI085861, AA918064, AA991340, N27626, AA443932, AW327641, AA709163, AW026278, AV722647, AA400009, H15836, AA236967, AI355244, AA401545, AA594554, AI270425, BG111063, N24578, AI150248, F24928, AA236757, AA907148, AA446742, AI214675, BF946449, R87663, AA612918, F24080, D81230, AA639434, H16144, AA534495, R84301, AA470640, BF743430, D81472, D61550, BF743432, AI004309, AW884251, AA444111, AA432057, H18497, AA353312, BG031849, H42207, AA121438, AA016220, AA122142, N67664, AA641952, BF956084, AA862880, BE938594, W01132, H42278, AA535750, AA687168, AA743372, BF733183, AA641901, AA683134, AI559370, AI685568, T55917, AA743753, AW006728, AW368581, AI000097, AA352367, BG150889, AA970583, N33784, T80723, AI214946, BF948730, AW883936, BF913692, BE175131, AA070958, BF476965, AA070957, AW878110, BF734818, AA436721, AA748138, AW878272, AI198093, AW883770, AW883134, AA552562, AW882689, AW882796, AW883204, BE709136, AW837664, AI655163, AW991816, BF093483, AW882469, R71947, AV682559, N63128, BF886638, AX040114, L39210, AL049955, AF116688, and U37359.

HMVAL15	1503	822860	1 - 1755	15 - 1769	AL532322, AI675878, AW341501, AI744283, AA452192, AW243091, AA526843, BG256627, AW960666, AW471419, BE675364, BG150540, AI204693, AI581307, AI581319, AI479065, W74491, AW578538, AA181817, AW236338, AI760677, AI245444, AI373631, AA235374, AA663494, AI650280, AA651837, BE897888, AW275388, BE677550, BE672219, AI079402, AA827213, BF879079, AI243285, BF432313, W01836, AA662500, AI241075, AI480412, N70781, AA352600, AA772019, BE938146, R36379, W01811, BE938154, BE395093, BE938131, BE006138, D20817, BF948990, AI915083, AA316858, BG000999, AW388065, W74550, AW367590, R36005, BE938313, AW002674, AI887127, AW388100, AA352250, N75367, BE707177, AA315547, AA279245, AA279205, BE707188, AA593115, BF869098, AL050160, Y11997, AC005785, AL136170, AC008115, AC004985, AC005006, AC010458, AL109984, AC005785, and AC005785.
HMVBC84	1504	743191	1 - 1135	15 - 1149	AI933486, AV700657, AA506744, AW301855, AI921744, F10773, AL042310, AA513931, BF927836, AV739290, AA218835, AA058829, AW439703, AA654874, AA077247, AV720115, AW419227, N91222, AA078469, AW440522, AA640563, AA225629, BG016049, AA991640, AA225497, AA524846, BE152120, AI884404, AA380695, AA362440, AV719319, AI002863, AI439840, AI365618, AA226382, AI732096, C15811, AI732139, AC005104, U91326, AL022320, AL445483, AL133387, AC004921, AC004961, AF111168, AC074331, AC005288, AC009079, AC004223, L78833, AC011462, AL024507, AC008556, AC005565, AL109935, AL109657, AL356299, AL023803, AL117328, AC007676, AP000214, AC006511, AP000106, AP000038, AC002312, AL356020, AC007536, AF254822, AL353807, AC000003, AP001716, AC009244, AC011442, AL117258, AL009172, AL021453, Z83840, AL049829, L44140, AC005534, AL035423, AL031286, AL033521, AC005071, AC011450, AP001714, AC010422, U91321, AL139353, AC004996, AL158141, AL049747, AP000354, AC003664, AL031906, AC004695, AL158830, AC007226, AC020934, AC009305, AL158832, AC034242, AC007546, AC003963, AL020997, AL136382, AC010363, AL050349, AC007240, AF132033, AF003626, AC004227, AC011480, AL049840, U62317, AC002377, AC027319, AC004383, AC005102, AC004656, AC005787, U63721, AL136087, AC005800, AC000379, AP001753, AC005695, AL035086, AL034379, AC022201, AL139100, AL121903, AL050335,

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HMVBD68	1505	831130	1 - 1267	15 - 1281	BE885169, AW970061, BF439457, AW575699, AW468388, BG116413, BG170032, AW083378, AA057509, AI679190, AV727466, AA574451, AA599718, AA054285, AA706513, AI707934, AW023524, BE142955, R66161, AA199863, AA862725, R84843, BF247952, R85715, AW973101, AW975244, AW979090, H86142, AW975971, AW627831, AL038837, H86028, AW979076, AL039074, AW975143, AW971975, AW975166, AL039564, AL039108, AW972154, AL039156, AW979228, AL039085, AW969930, AL039659, AW979176, AW975941, AL039625, AL039648, AW970540, AL039678, AW973762, AL039150, AW975022, AW971953, AA059178, AL037051, AL036725, AW975626, AL039629, AW971954, AL134524, H00069, AW974379, AL039109, AW973821, AW975981, AW970108, AW972296, AL038531, AL039128, AW968147, AW969748, AW970969, AW979212, AW979147, AW976024, AW971968, AW969885, AW973789, AL040992, AL045337, AL037726, AW970587, AW975434, AW975650, AW968212,

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					A18050, A35536, A35537, AR038286, X68127, A23334, A75888, I70384, AX011024, A20702, I60241, I60242, A60111, AR043601, A23633, AR007512, I66498, I92483, I66497, I66496, A18053, A84776, I66486, I66487, A84773, A84775, A02135, A02136, A04663, A04664, AR083151, AX009712, A84774, A43189, AX012337, A43188, AR085082, AR085089, AR067731, AR085091, A20700, AR088705, AR067732, I03665, AR064707, I03664, A91750, A15078, AR085079, AX023553, AX035462, E00523, AX023548, AR085083, AX026824, AX026823, A67220, A11245, A02710, E12615, AX018504, AR035193, A07700, AX027811, AC069451, AX027809, A13392, A13393, AF261964, AX027813, AX009487, AX030369, AX030368, E13740, AR027100, I28266, AX027812, AX035980, AX027810, AX027816, X73004, AX027817, AX027818, AX027814, I21869, I13349, AR072501, AR036905, AR072503, AR072502, A97211, A58521, AR093385, AX006818, A85477, A85396, A70040, AJ244003, AJ244004, AJ244005, AX006823, AX046223, AR074365, I18371, I08051, AR025207, AX026821, AR031374, AX006820, A38214, AX033488, A49700, AR031375, AX033489, AX001325, AX001326, AX033490, AX001323, AX035632, AX001324, AX035630, A64081, AR008430, A44171, AX035631, I56772, I95540, AX035629, AR018924, AX033474, AX033486, AX006819, AX033487, AB037923, A63067, A51047, A63064, AR018923, A48774, A98767, A63072, A48775, AR068507, AR068506, I00074, AR079804, I19516, A58524, AR015960, A93963, A93964, AR000007, AR015961, I63120, AF261968, AX021518, A95052, AX023549, AR020969, A25909, AR043602, AR043603, A95117, AX023555, A58523, AX023554, AX023550, AX023556, AX006817, AR095491, A23998, AX023552, AR095490, AX006821, AX008555, AF156296, AX023547, AR037157, AR022240, AF261959, AF261960, AF261966, V00745, AF261962, AX023551, AF261963, AF261967, AX023546, A86792, AX006824, AR054109, AR000006, AR072500, AR036903, AX001082, D28584, I03343, AF156294, A82653, AX003194, AX042372, AX006825, AX006826, Y11923, A81878, AX006822, A24783, A24782, AR069650, E14304, AJ230933, E16636, I19517, AR096518, I01992, A27396, D88984, A76773, AX000085, A22413, AX042377, AR091518, and AX042375.
HMVCG17	1506	846161	1 - 1135	15 - 1149	AL515859, AL515858, BG027749, AI016577, AI718010, AA481439, AA507043, AW971230, AI288835, AA515030,

					<p>AW302590, AI299930, AA493570, AA863055, AI357750, AW953467, AI541176, AL528521, AL516848, AI753358, AA256664, AI758382, AA741576, AA810762, BE314534, AA812147, R67734, AL524574, BE466602, AA281722, AI671393, AI825391, BF059341, BE797036, R00171, BG248512, AW977663, BE887732, AW975626, BG114238, BE964421, AW976024, AA862554, BG168745, BE787761, BE408506, AW975941, AW972440, AW973789, AW970969, AW973254, AW975434, AW973821, BE251536, AI375885, AW969694, AW979204, AW973819, BE407256, AI167322, BG117496, T35285, T35906, Z44193, AL532885, AW975596, AW969772, AW971953, R12025, AW979147, AW979173, AA644466, BE266639, F05632, AL119483, AW972786, AW975952, BE874538, BE617049, BG236628, BE619329, BE302826, AA449625, AA453912, AW975971, BE256065, T09074, AL134524, AW979212, AW975166, AW973811, AW975981, AA847502, BE251889, AI679871, AR058923, AR058922, Z93023, AL162615, AC007510, AF207550, Z98941, AP001715, AP000032, AC007969, AC008599, AC006468, AL136418, AP001711, AL096840, AL122020, AC008745, AP001714, AC008009, AC004675, AF088219, AC018682, AC002996, AL022345, AC020917, AC005052, AC008641, AL158193, AC005529, AL022399, AC018644, AC003982, AC008518, Z93244, AL022476, AL121754, AL137129, AL049709, AC002350, U82695, AP000030, AC007011, AL121587, AL049780, AC011811, AC002352, AL136365, AL109797, Z95114, AP001712, R66124, and AA256647.</p>
HMVCS92	1507	842832	1 - 1855	15 - 1869	<p>AW967034, BG033294, AV719570, AV719571, AA702187, AI698188, AV719556, AA677446, AI697934, AI186066, AV658194, AV658195, AA683125, W56135, AA807676, AW451220, AW167250, AI382915, AA402145, AI264803, AA707609, AW900401, AA411797, BF849286, BE717321, H94502, BE348839, R31321, R41088, AI381037, R31580, AA317036, AA836406, AW386139, BE815207, AV658196, BF747205, H94586, BE717326, AA747095, AW205249, BE717385, N39047, AC024558, AC024558, and AC024558.</p>
HMVCS92	1508	846141	1 - 1853	15 - 1867	<p>AW967034, BG033294, AV719570, AV719571, AA702187, AI698188, AV719556, AA677446, AV658194, AI697934, AI186066, AV658195, BF849286, AA683125, W56135, AW451220, AA807676, AW167250, AI382915, AA402145, AI264803, AA707609, AW900401, AA411797, BE717321, H94502, BE348839, R31321, R41088, AI381037,</p>

					R31580, AA317036, AA836406, AV658196, AW386139, BE815207, BF747205, H94586, BE717326, AA747095, AW205249, BE717385, N39047, AC024558, AC024558, and AC024558.
HMVDB45	1509	852147	1 - 1142	15 - 1156	AA789222, BF477716, BE670496, BE504572, AI078226, AI916316, BF477883, AI078329, BF445344, N40438, R56795, AI921527, AI049802, AW014004, AI912925, N40477, H08794, R94187, F10745, Z39046, F02402, F02419, AW877209, AL119324, AL119457, AL134524, AL119399, AL042544, AW861944, AW804686, AW372827, AW604723, AW392670, AW969825, BE695785, AW858526, AW970959, AW975961, AW858525, AW970927, BE705903, BE705906, AW577135, AW384394, AW861889, AW858455, AL119497, AW973166, AW973957, AW363220, AL042965, Z99396, U46341, AL119319, BE705905, BF868697, AL119484, AL119391, AL119355, AL119396, AL119341, AW604726, BF868687, BF868684, AL119363, AL119443, BE705904, AW861954, AL134533, AW979151, U46347, AL119522, AL119483, AL119335, AL119496, AW974977, U46351, AL134920, U46349, U46350, AL042614, AL119418, AW971420, AL119444, U46346, AW971745, AL134531, AL042975, AL119439, AL037205, AI142139, AI142132, BF868696, AC020629, AR066494, AR069079, and AX030435.
HMVDJ71	1510	863508	1 - 1458	15 - 1472	BG171641, BG171674, BF306861, BF204273, BE292742, BF204193, BG026083, BF310019, AI739645, AA581933, AI653175, AI123205, AI278757, AI537934, AA565707, AA919136, AI660513, BG171188, AW846051, AW071030, AW087303, BG015060, BE878801, AI241924, AA558474, BE142567, BE735689, AL353194, AB033097, AK023799, AL353194, AL353194, and AL353194.
HMVDT89	1511	831127	1 - 1977	15 - 1991	BE908874, AA403039, AA772356, AA706235, AA890039, AW958911, AI796685, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AA934509, AI056195, AI051080, AA291642, AA252870, AI278795, AI077777, AI344740, AI827412, AA855074, AA287208, N99681, AA625359, AA707796, AI085793, AA910676, AI375275, AA968653, AA482049, AI277706, AA004744, W56146, AI040845, AA128102, AI038120, AA926651, AI808622, W42934, AI241340, AI419232, AA938251, AA481865, BF939403, N62191, AI350660, AA846421, BE174045, AA928335, AA987944, AA805065, AA325681, AI188852, AI266586, AI022609, AA401330, W37593, AI459456, AA514539, AA480369, AA938533,

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HMVD89	1512	875313	1 - 1980	15 - 1994	BE908874, AA403039, AA772356, AA890039, AA706235, AI796685, AW958911, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AI051080, AA934509, AI056195, AI827412, AA291642, AA252870,

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HMWAO65	1513	839268	1 - 698	15 - 712	AV717724, AV716363, AV713252, AV713584, BE891760, AV756659, AW027019, AW027067, AV714738, AW027058, BF031281, AW024795, BF027753, BG164526, AI133406, AV716325, BG114255, AW024324, AV713478, AV717015, AV714131, AV716706, AI869647, AV712262, AV753954, AI570577, BE145690, N39717, AA449890, BE176728, AA772331, AV760334, BF541678, AW901295, AA287306, AV758446, AV712147, BE176732, AV740327, AI151440, BF104037, AI469975, AW964222, AA827541, AV760290, AW602318, BF700773, AV755240, AA480978, AA305599, AA983471, BF382953, AA287347, AA639458, AI866765, AI216331, AW439509, AV736255, AV733744, BE174451, AI224047, AA362212, BE768791, AI868763, BE718750, AV736268, AA658562, BF247670, AA249640, AA746935, AI886756, AF116682, and AF161398.
HMWAO82	1514	825427	1 - 472	15 - 486	AA290563, BF698704, BF699964, BF698510, BF666395, AI963266, AA983199, BE147488, BE550271, AA230203, AI632259, AA872442, AW059943, AI133297, AA831132, AI254279, R93995, AW020321, AW827130, AI681987, BF435396, AA745406, BE297262, AW023990, AA330179, AV763354, AI370094, AV762535, AW275510, BE145412, AI766275, AA490183, AA493695, AW963750, AI345157, AW168618, AV739452, AI687343, AU140328, AI370074, AW270343, AV710066, AI583283, AW302903, AA584167, AL046205, BF347740, AA279421, AW135781, BF347791, AW827120, AW102846, AA484373, AV760486, BF677892, AA683238, AI872020, AV760777, AI056874, AA468022, AW979031, AV762098, BE907585, AV764578, AV733627, BE253048, BG249643, BF337291, AI305766, AW853873, AA618452, BG059450, BG060148, AI004704, AW857802, AW235497, AI039584, BF857075, AI270117, AA747070, AW139769, AI471887, AI307022, AI252274, AW021207, AW021735, AW069769, AA483929, AI445674, AI223604, AV745092, H71429, AV703942, AI805363, AA577959, AW974109, AW471428, AU121684, AA101689, AW084466, AV763183, AW403837, BE049030, BF681649, D58349, AI953275, AW953071, AW853857, AF330238, AW970871, AV763847, AV759505, BE782280, AL045053, AI751216, BF977376, AL037554, AV729809, H66681, AV728425, AV733830, AI284640, AA362511, AU121243, BG167139, AI470646, BF902055, BE378770, AW866226, BE147416, AA477122, AW872575,

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HMWBD74	1515	711155	1 - 640	15 - 654	AI379584, BG054877, AL047305, AA973825, AI039197, AA129966, N67924, AI445879, AW592609, AI216121, AI333174, BF338261, AW193969, AI375028, AA971281, BG059818, BE878994, AA610487, AI186756, AI797946, AL035713, AW673561, AI658759, BE857297, AA903939, H43943, AW157236, AI278494, BF435906, AI923255, AI952998, AI815242, AW263991, AI678954, AI827349, BE463635, AW628092, BE348856, AA156410, AI678759, AI338587, H27986, AI949082, AA904019, AI701987, AI224044, AI624220, AW302281, AI142826, BE676628, T09406, BE618428, AI568409, AI680310, AW627595, AA664529, AA912579, R48256, AI684160, AA493203, AI198046, AA853903, T10459, R48353, AA627506, BF091042, BE719370, AI914689, BE832474, AI798369, BE536419, BF361847, AI273778, AW022651, N56062, H43899, H17052, N83831, R49632, N88633, BE832496, AA248036, AI933507, AI824605, AW264348, T10972, BE905166, N67372, AW979236, AI699430, AA091912, AA853902, BF445541, BF032506, BE000475, H17667, AA847041, T11092, BE045346, BE255391, BE699217, D45274, AV752909, AW878867, BE559802, BE935735, N88845, AA985217, AW867281, AA670311, AA235030, BE670396, R10288, U24576, AF102817, AR070430, AF096996, E17362, and E17361.
HMWBK35	1516	566888	1 - 960	15 - 974	AW468934, AI570261, AA843450, AW505125, AW277174, AW500064, AW438407, AW270768, AW029038, AI291037, F36273, AU157093, BG059314, AW019964, BG223280, AW088616, AI860535, BF436273, AW662490, AI344810, AV682003, AW021774, AL045077,

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					AC037489, and AC037489.
HMWBK86	1517	654856	1 - 458	15 - 472	AW615250, BG256720, BE874914, and AC002454.
HMWBL38	1518	602940	1 - 910	15 - 924	AA602906, AI801505, AA622801, AL042667, AL042670, AI887235, AW833297, AA595499, AW969667, AW237905, AI679759, AI143051, AW341978, AV695478, AW976024, AI246796, AV760453, AI354423, AL037714, AI690750, AI683131, AA747757, AI925869, AV733824, AI366555, AL445187, AC005412, AC008745, AC008403, AL132639, AL162430, AC002477, AC004254, AC004253, AC004832, AC003109, AL009183, AC009247, Z96074, AC004148, AJ003147, AL008635, AC008764, AL035249, AC005666, AC005993, AC002504, AC004112, AF207550, AP001753, Y18000, AC004531, AC003982, AC011742, AC011479, AC007383, AL109804, AC007537, AC010422, AC008626, U52112, AC012076, AC006251, AC005089, AL096701, AC006013, AL022320, AC012384, AP001717, AC005015, AC005755, AC021016, AC004846, AC011510, AL137039, AJ400877, Z99716, AC007097, AC007934, AC005043, AL117334, AC009314, AC007404, AC004678, AL021707, AC002400, AC002472, AP001748, AL035086, AL135927, AC007227, AC005484, AC004491, AC006483, AP000555, AL139353, AL137145, AL109797, AC009756, AP000557, AL050349, AC005391, AC005529, AF168787, AC083866, AL138787, AL008627, AL050318, AL034405, AC006312, AC008150, AP000556, AC011484, AC005202, AC005841, AL138759, AC005209, AP000356, AP000511, AC007686, AC005581, AP001630, AC004912, AL354696, AC011462, AL031846, AC010267, AC002418, AL049694, AC008753, AL121776, AP001711, AF001549, AL049569, AL031311, AC005944, AC026431, AL356299, AL122015, AC011514, AC004671, AL031591, AF111168, AC005038, AL133448, AC008747, AL137230, AP000116, AC005839, AC004596, AF196972, AL049597, AL109743, AC008556, AC005031, AC008555, AC011491, AL109935, AL033529, AC016995, AC004703, AL136137, AL008582, AL139289, AL050335, AC008543, AC007546, AL035417, AP000065, AP000514, AF111169, AC004167, AC006511, AC005821, AC008687, AL133353, AC018738, AP000212, AP000134, U80017, AC067868, AC067868, AC025899, and AC025899.
HMWBM4 8	1519	566828	1 - 793	15 - 807	AI936799, AI346126, BE617638, AI609320, AL515229, AI829888, AI028091, AA883878, AW242128, AI683488, AA911233, AU144403, AI591340, BF967718, AI082745,

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HMWCG28	1520	847413	1 - 879	15 - 893	AW197242, AA115972, AA283140, AI768512, AI262126, AW299591, BE501477, AI492452, AI470922, AI925912, AI479591, H99611, AW392956, N53011, H58193, BF930214, H89604, AW361279, N34132, AW865961, BF933761, BE252200, BE083984, N35841, AF061944, AJ296290, AC004765, and AF227741.
HMWCP85	1521	757974	1 - 2023	15 - 2037	AI816779, BF589912, AI766960, AI628628,

					AI934925, BF196419, AI670840, AI478520, AI334656, AA604857, AA811090, AW977783, AW301577, BE501825, AW418946, AI651300, AI628788, AW016678, AI367693, BE501932, AW510612, BF104767, AW242561, BF766207, AF170911, AF098277, AJ269477, AJ250807, AF058317, AF080452, and AF058318.
HMWDG30	1522	623758	1 - 1403	15 - 1417	AW969074, AU133454, AW968562, BF592955, BE218175, BG259856, AI693384, AW051316, BF224373, AW590277, AI655794, AI985079, AW206982, BE502160, BF591950, AA521071, AI440350, BE147905, AI652542, BF700778, AI656529, AW137144, AI700491, AW207487, AW515088, BF940357, BF212673, AI679584, AI203619, AI146676, AI656186, BG256129, BG150220, AA485241, AA485222, AA255427, AW021270, AA504519, AA918586, AA448288, AA766899, AA731892, AA465684, BF839815, AI969725, AA257113, H63780, AA813940, AA749136, AA804794, AA255593, AA665204, AA504603, AW975158, H78263, H73461, R89769, AV707927, AL133117, AL030996, AK001758, Z82901, Z82976, and AL023575.
HMWDU20	1523	695743	1 - 1823	15 - 1837	BE270976, BE897858, AA195964, AV749912, AV726499, AA599286, BF246069, N94774, AA833771, AA236338, BG251374, AW290957, AA876354, BF445488, AA906010, T91837, AI239953, T91924, BE893001, AA248865, AA236244, AA876584, BE676907, BG025057, AW976981, BG257479, BE560653, AW820810, BG166334, BE397373, BF831840, BF086134, BE207344, R69533, and AK000342.
HMWDX57	1524	610104	1 - 479	15 - 493	AI277909, BG230714, AI269884, AA769351, AA617946, AA564596, AI318107, N63213, AA604182, BG222833, AI375876, AI819605, AI624951, AI624969, AV647347, AV647386, AA226943, BF436733, AV741546, AA129588, AI273811, AI872734, AI378911, AI184380, AI742754, AI334418, AI962881, AI262813, AW191038, AI086775, AI874117, AI563934, R45288, AA216590, AI343767, AI680507, AI264483, AA485083, AI032017, AW613413, AA973883, AI333850, AI276934, R46246, AI278013, AI336290, AW157520, AI200002, AA862394, AA505107, AI080730, AI094917, AI302640, T27586, AW005401, T16712, AW951584, AI351658, AA218542, AI244942, AI150992, AI298986, AA226935, AA574063, AI190652, AW078972, AA194961, AA487171, BF568733, AA862989, AI361095, AA643349, AA648788, AW071946, AI370921, BE858186, BF440016, H71328, AA487535, AA516109, AU160689, AA219135, AA213720, AI360197, AA418898,

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HMWDZ63	1525	608146	1 - 446	15 - 460	BF952285, BF689105, AA322669, F32401, AI983973, N34684, AA670237, BE047600, AA492541, AW005126, AI081323, H58971, AA548281, AI963000, AA843860, AI185313, AI433098, AI635938, AW162230, AA130891, AW517248, BF432672, AA069791, BE621674, AI341728, AL525623, AW362642, AW009449, AL521435, AA459380, AI819854, AI813603, BG059717, AA496027, AI814291, N98611, AI652682, AA621359, AA748142, BF445770, H18412, BF361431, AW204101, BG059653, AA877190, AA074083, AL529694, R55525, AI308809, AI261790, H75783, BE280578, AI797776, H10411, W69488, U52111, Z68129, U69269, U69268, Z68907, U40272, X74124, U52111, U52111, and U52111.
HMWEA77	1526	839221	1 - 1355	15 - 1369	AF074667, BF346320, BE796439, AL048969, BF307044, AA299929, AV758260, AA742815, AW976010, AA502511, AA224525, AI457152, BG032943, W96277, BE077105, AA584482, AI984168, AW973541, BF828714, AW408643, AW406447, AW961160, AW975092, BG034591, AV762637, AA356089, AA515829, AA484696, AL036896, AW275432, BF240672, AI791659, AW157180, AI929298, AA658398, AI929825, AI090377, AA640277, AA020873, AW600804, BF530668, AI499134, AA831426, AI620354, AA130647, AA679946, AL048060, AA577824, AI433104, AL022316, AL117348, AL109965, L78833, AC005740, AL080243, AC004448, AC007263, AC008102, AC021752, AL136295, AL136120, AL355385, AC024563, AC002470, AL049757, AC005231, AC008569, AL356299, AC005358, AC007225, AL158830, AL135744, AC011442, AC006329, Z97053,

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HMWEC03	1527	598902	1 - 1542	15 - 1556	AL524603, AA742240, AL524604, AI823878, AA909660, AI739313, AA724383, BE966163, BF920012, AA860492, AI041387, AI027069, AW469502, AI057240, AA455706, AA782088, AA713600, AA453899, AA453814, AW516356, AA731254, N34410, BF919843, BE881890, AI633609, AA854687, AA455653, AA694027, AA783027, AW962838, AI254702, AW193015, AI433179, AA075268, AA725703, AW662414, AI675179, AA768870, AA315407, AA294893, W01170, AW382352, AI480064, AA004597, BF035158, AU117039, AA074591, AA808579, AW954859, AI197903, AA356570, AA315659, AI934159, N50688, AI479897, AI554697, BE882625, N48644, AL138383, C01402, N74083, AV703799, AW665433, AI886547, AW366528, AW366511, AI950277, AI590043, BF970652, AL514879, AW160905, AL514015, AV656595, BF970731, BG180515, AW079432, AW020419, BG257535, AW160916, AL514129, AL514791, AL119863, AI799183, AI500514, BF107577, AI252414, BG031539, AI312364, AI345180, AI698391, BG023758, AW269098, AW268251, AA620346, AL046942, BF054789, AW268768, BF793462, AI307604, BF033757, AL513991, BE892503, AL513937, AV727807, BF796163, BF856052, BF835240, AL514627, AV658585, AL513901, AI612913, AV755614, AV755613, AV681731, AI624293, BF726218, AI798456, AI889189, BF968666, AW051088, AL036187, BG029829, AI866469, AW162194, AW827206, BE910373, AW161156, AW834302, AI567582, BF970093, BG113299, AI872423, BF883916, AL036361, AL045500, AI473536, BE879911, AI345543, AI818353, AI683395, AL036509, BF032768, BE877142, AV755459, AL514657, BE621256, BG114304, AI433157, AI702073, AA808175, AW161579, AI452560, BF812961, BF766529, AI499890, AI978703, BF822127, AI859991, AW189802, BE874133, AL513597, AL515235, BG035060, BE889178, AI633125, AI538564, AI929108, BF871314, AI915291, AL046466, AV685436, AW152182, BF344361, BF814527, BE966927, BF971203, AA938092, AV709679, BF725599, BF791543, AV701707, AL041150, AL513913, BF752999, AV702994, BE769091, BE785348, AL513757, AW827289, BG180034, BF792961, AI884318, AI582932, BE875959,

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HMWEF46	1528	825433	1 - 1245	15 - 1259	AW293921, BF446082, AA503279, AI803462, N29908, AI202881, AI244784, AI863707, AI984336, AW672908, BG171562, AA160974, AI879084, AA101937, BE383668, BE735315, AK001480, AC068429, and AC068429.
HMWEK43	1529	847414	1 - 1203	15 - 1217	AI668700, N93601, AI734276, W25478, AB019439, and AB019438.
HMWEM2 3	1530	863105	1 - 1862	15 - 1876	AI823654, AI961177, AI478221, AW968773, AA846576, AI480402, AA584298, BE560551, AI813657, AI760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998, AW969507, BE559619, AI651566, AA579655, AV686107, AW969502, BF436325, AW002182, AI654813, AA491041, AI283079, BE617461, AA922926, AW166079, AA917731, BF515827, AW292126, BF223222, AI990156, AI499865, AA729880, AW250215, AI671762, AI680670, AI948722, AA490858, AA503731, AA732307, AW969802, AI222519, AI004530, AA639529, BF798411, W96184, AA513845, AL532268, AI681727, AA768695, BE765188, AI147101, AI205178, AI269686, AW291809, AI393299, AA737590, AA528328, BE065291, AA764868, AI867123, BF095791, BF821814, BF380983, BE151798, BF380986, AV654488, BF909261, BF909264, AW969515, AA809950, AW269244, AW300193, BE693372, AA689267, BF590473, AI694125, BE962424, AV703593, AV701983, AV707103, AW950675, AV706278, C14208, AW963117, AW954129, AK026201, U19181, AC025263, and S79539.
HMWEM2 3	1531	859387	1 - 1862	15 - 1876	AI823654, AI961177, AI478221, AW968773, AA846576, AI480402, AA584298, BE560551, AI813657, AI760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998,

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HMWER46	1532	841527	1 - 1119	15 - 1133	BE886301, AI160339, AI344336, AI685817, AI685846, AW300593, BE046893, AI953038, AI381971, AI968794, W16764, AW614126, AA255974, H61658, AW444968, AI376908, AI276953, R95692, AI075631, H61951, BG109160, AW087345, AA749355, AA605034, AA494532, AA057850, AA476582, R63539, AI985965, AA256043, AA542904, AA102826, AA738475, AA035513, N49925, N29804, AA101640, AA282290, AA398667, AA846244, AI186477, AA862567, AI183869, AI310494, AI372913, Z38515, AI953080, BF437539, T91306, AA631291, R32027, AI755152, BE292874, T05374, H56341, AA505799, BE672814, AI627467, H97794, AI421793, AI499849, T90109, AI814330, AA713830, AA330261, AL517390, AA188821, AI341335, BG255037, AW188930, AI914562, AA948078, AI085362, AI361967, AW006183, BE326910, AI143537, AA045483, AA828527, AA027054, T72902, AA402892, BF825513, AA291534, AA428795, BF743917, AI676051, AA602166, and AF141882.
HMWEU96	1533	131088 8	1 - 1595	15 - 1609	BG104490, AL043063, BF002024, AI660939, BF697850, AI985121, AI709336, BE748931, BE878194, BF573246, AA195089, AV757284, BF664766, AV722878, BE748410, BF740243, AL449602, AW166009, AI419816, AI417989, BF382409, T59567, AI469990, AV753243, AA032213, AI299782, AI360924, AA160957, BF737297, AI074310, AI066689, H97993, AI079959, AI089796, N54456, AI081423, AW438622, AW771137, AW298464, BF844819, N93690, R19752, AW151118, N76567, W15358, AW512786, BF438904, AA465427, AA465356, AA513766, T54625, AI525435, H03675, AW594366, AA460454, AI380037, AA258767, T08272, BE173246, AA195284, AL449601, AI438950, R18688,

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HMWEX02	1534	596821	1 - 1345	15 - 1359	AL518291, BE873246, BE795606, BG119436, BG027302, AW274865, AL530993, AW411036, AL518292, AL529173, AI654619, AI989598, AI990166, AL525535, AI270372, AI825369, AW236560, BG177458, BE884111, AI160692, BE504943, AI654415, BE547702, BE891075, AI306472, BG256714, AI627765, BF310129, BF590899, H11312, AW197381, BG117709, BE252534, AW411035, BG031610, AA159893, BE253407, C00425, AI582926, BF055662, AI915243, AW409775, BE891834, AI613471, AI890057, BE544111, AI272065, AL037626, AW105601, AI251221, AW082532, AI432110, AW088899, AW274318, AI952920, AI648567, AW025279, AI933992, AI365256, AV755332, AI570966, AI886055, AI472536, AI249877, AW085786, BF814449, AI752007, AI923446, AW058233, BE889178, AW088521, AI627201, AL040011, AI624529, AW022494, AI270039, AI860674, AA641818, AI952302, AI698437, AI859464, AW084097, AW168503, AW007597, AI253379, AL038956, BF343982, AW268759, AI950664, AI623941, AI478723, AI457369, AW900453, AI251830, AL079997, AI244380, AL049053, AI433611, AI583578, AW022636, AI539800, AW148909, BE873690, BE875426, AW274343, AI343038, AW169234, BE892572, BG031815, AI805688, AI524179, BF965836, AW302662, AW194079, AI336506, AI254251, AW303238, AI539153, AI917963, BF054886, AW268290, AI636619, AL040241, BE543089, AI890507, AL038529, AI886277, BG254981, AI472566, AI633061, AV750565, AI916419, AI359590, AI866608, AW021373, AI919593, AI540606, BF924856, BF870154, AI434242, AL036652, BF339322, AW411141, AW162189, AI494201, AL121286, AW104641, AW129230, AW191844, AI582912, AI865320, AL048323, AI669639, AW189415, AL042488, AI589428, AI926794, H89138, AI355277, BE172499,

0950063 092160

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					X99257, AF094480, AF106697, AB007812, E01314, AF116646, E00617, E00717, E00778, AF217991, AF044323, X57961, AL137555, I41145, A08907, AF116691, A08916, Y16258, Y16257, AF218031, A65341, AF203473, AK000074, AJ242859, AK027204, AL122118, AL117629, AL133565, U72621, X53587, U88966, AF113019, AK026592, AF169154, AF111112, AL137665, AB048913, AF218005, U90884, X52128, AB047631, AF158248, AL137658, AF207829, AK000450, AF166267, AK027111, A07588, AK024747, AK026744, AK025208, AK026571, AF119860, X00861, AL023657, AF199027, AF061981, AF016271, AL050092, AL137480, I89944, D55641, AF116644, AB047248, AF215669, AF177336, AF116650, AX040974, AF159615, AF155221, AL137574, AK000344, AK026855, AL137558, AL137641, AL389982, AL137476, A08911, AK026600, AF285167, AL137300, AK000718, S75997, AF119883, AF094850, AK026504, S36676, AB026995, AK026528, AL162003, I33392, AL049382, AX014095, AK027161, AF119909, AL122045, AF151109, AB025103, AB047930, AF217987, AB048974, AF183393, AB047878, AR059958, AL137529, AK025708, and A45787.
HMWFB65	1535	638102	1 - 1476	15 - 1490	AW204163, AA033973, BE349240, AI818304, BE787124, AA350775, AW081429, AA351182, AA351063, AI214706, AA399495, AA525779, AA631754, AA398154, Z45338, AA515710, BF574993, AA190519, AA190482, AV708512, AA365169, AW177715, AW994322, AV721142, AL137607, AF109219, AK000730, AB030279, and AL008723.
HMWFD77	1536	610105	1 - 508	15 - 522	
HMWFO25	1537	566855	1 - 916	15 - 930	AA071066, AU121128, BG254784, and AK022122.
HMWFO89	1538	846650	1 - 566	15 - 580	AA662085, BG163775, BF508990, AA723055, AI827371, AA035228, AI697423, T51272, AI699665, AW827150, AV648996, AA782359, AI917382, BF508915, AI638464, AC074303, AC021125, AC021125, and AC009149.
HMWGM4 1	1539	847415	1 - 1210	15 - 1224	AL529437, AL529436, AL526960, AL527090, BE901109, BG254023, AA069656, BE729280, BF026424, AU134538, BE251492, AW512689, BF542049, AA928735, BE074973, AI027673, BE074967, AI130940, AA421599, AW602733, AI580837, AA423996, AA827360, AL526924, AA424006, AA576953, AI858981, AA114876, BF222157, AA188494, BE007334, AA136831, AI200715, AI358322, AA481649, AW602739, AA988755, AA187921, AI499041, H10340, AA252300, H10044, AA856927, R44331, AW994967, AA588683, AW364266, BE092940, AA114875, R51006, AI253378,

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HMWGO95	1540	582078	1 - 1434	15 - 1448	AA084609, AI446336, AA515733, AA516193, AA602906, AA622801, AV720115, AI690750, R91911, AW515437, BF527070, AA058768, AW188742, R98218, AI245693, AI925869, AW970970, AC012156, AL078638, AL133264, AF243527, AL133163, AC005839, AC020754, AL133545, AC021999, AC008474, AL135978, AC002997, AC004913, AL034405, AL355499, AC000353, U80017, AC011451, AC005189, AC069080, AC020552, AC005907, AC008812, AC002350, AC008040, AC005740, AC011465, AL021368, AL049761, AC005399, AC007622, AC003982, AL163284, AC063976, AC004878, AC008102, AC005666, AL050335, AL160033, AL118511, AL109824, AC004867, AC004686, AL035086, AL162615, AP000688, AJ003147, AP000113, AC084732, AP000359, AC006965, AL132653, AC005529, AC005971, AC005080, AL157789, AL034380, AL353596, AC004148, AC005098, AC005412, AC006013, AC005180, AC006203, AC008403, AC006055, AC006487, AC004973, AC005031, AC012384, AC006459, AL356057, AP000354, AC010412, AC005522, AC007057, AC003684, U62293, AC006345, AC008738, AC006455, AC005071, AC004166, AC011475, AL035406, AP001724, AP001711, AC019117, AL158832, AC002476, AC006211, AF207550, AF196779, AL136137, AC009298, AC006457, AL121754, AC003080, AL031228, AC004089, AC008372, AL035684, AL109825, AL049631, Y18000, AC008569, AF030453, Z93930, AC006006, AL117377, AL117186, AC005015, AL031589, AC005531, AC005088, AC006480, AL160071, AX039602, AC005527, AC006163, AL136305, AC005231, AL049872, AC002302, AL121601, AC008745, AC005411, AP000156, AC007376, AC010150, AL137039, AC002365, AL109976, AC006463, AL023803, AC005914, U52111, AC006312, AC011479, Z95152, AL133295, AC002310, AC008750, AC020916, AC002287, Z82176, AC009079, AC007676, AL096701, Z97635, AC002128, AC024940, AC024940, AC068793, AC068793, AC012156, and AC012156.
HMWGV85	1541	847416	1 - 1129	15 - 1143	AL525882, AV700632, BF207496, BE173429, BF792771, BE173489, BE675423, AI278631, AW182443, AI073393, AV689105,

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HMWZ42	1542	824259	1 - 1575	15 - 1589	BE081124, AI086312, AL049830, AL049830, AL049830, AL049830, AL121808, AL121808, and AL121808.
HMWHR36	1543	604846	1 - 817	15 - 831	
HMWIM55	1544	604845	1 - 770	15 - 784	AC058804.
HMWIQ26	1545	722234	1 - 1164	15 - 1178	BG178792, AI436382, AA167836, AA448957, BF840038, AL042956, AI133591, AI675879, BF855622, BF376692, AL045696, AI659151, AI948730, AU133222, BF355312, BF355511, BF916125, BF916124, BF355321, H09862,

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HMWU49	1546	800894	1 - 1565	15 - 1579	BG119647, AV699322, BF002481, AW194103, BF038249, BE501114, AW518690, BF182905, AW575036, AV689102, BF448095, BE465647, AA570483, BF739874, AW958913, BE872403, BE384518, AW611943, AV683442, AW571485, BG108121, BE740380, BE967159, AV685709, AV705406, BE390982, BG057337, AA532739, BF770215, AI950034, AI831065, BE793003, BF983938, AW072315, AW088486, AI872396, AW250423, AI978692, AA526905, BF350738, AA004890, AV698580, AI859462, AI521711, AW027992, AI589001, AI149487, AW062708, BF362487, AI709015, AW269185, AW269349, AI140101, AW002658, AV651040, AA725306, AI554225, AI352315, AW516405, AA134415, AI635661, AL532424, AA651838, AA481316, BE789385, AW661983, AI431710, AA600310, BF801604, AW235534, AI284946, BG117796, AI753373, AA705577, AW269158, H20713, AI983743, AI248592, AI942429, AI873092, BG115219, BE407231,

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HMWJJ62	1547	838612	1 - 940	15 - 954	<p>BE390367, BF696246, AI167810, AA132553, AI888365, AA081047, AA683331, AV733710, AA827295, AW303196, AW301350, AW274349, AW576391, AW270270, AI284640, AI281881, AL138265, AL120687, BF677892, AA581903, AV652936, BG249643, AL046409, AL119691, AW407578, AW472872, AI064864, BF668217, AW275719, AW872676, AV760395, AW975049, BF965007, AW419262, AW502975, AW021583, AA470969, BF984160, AV728928, BF311000, AW265385, AV760777, AI133164, AV762139, AI890348, AL046205, BE810816, AV760937, AV763354, AA720702, AV762571, AW833862, AI564185, AW969798, BG236735, AI334443, AW965237, AA469451, AI358571, AV762111, AV761489, AW872575, BG058664, AI457397, AI732764, AV759204, AV735370, AI537506, AI708009, AV763255, BF793766, AV735495, AV740801, AL041690, AW327624, AI754955, BG109996, AA587604, AU147104, BE049095, AV761786, AV760614, AI192631, AV763971, AI144055, AW504485, AV759505, F36273, AW731867, BG222267, AV759274, AW970571, AV756693, AI434695, AV762098, AW088202, AV763540, AW276435, AV764398, AV742057, AW439558, BF725029,</p>

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HMWJJ64	1548	581071	1 - 1549	15 - 1563	AL524297, BE733894, BG252166, BE784492, BF966059, BE256737, BF312476, BE871091, BE617340, BE787627, BE742472, BE512915, BG025130, BE617817, BE785442, BF304530, BE898447, BF102640, BE889000, AV721676, BE898776, BF815284, BF339486, BF218311, BE252735, BE567714, BF664645, BF206943, AA147837, AI743208, BE314397, BE274507, BE255425, BF439320, AW182349, AA007624, AI277785, AW573051, AA024558, AI291465, BF210921, AW887597, BF108847, AW471496, BF240534, AI288560, AI554517, AI095825, AI985816, AA773852, AA976598, AI459022, AI151093, BE961070, AA946802, AA164679, AA223385, AI857771, AI031793, AI091674, W90030, AI291065, AI375794, AA197226, AI076590, AI800391, AI224873, BF508752, AA071166, AA128165, AI301386, AA025311, N68960, W00659, AA165076, AA125978, N26243, AA765037, AA480601, AI338334, BF033913, AA147874, AA687145, AA804439, BF804783, AA299364, BE833026, AA854484, AI718904, AA551651, AI338336, AW182296, BF794926, AW078483, AA761586, AW003484, AI698757, AI537542, AA223303, AA229403, AI301399, AI678919, AI694632, AA248406,

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HNAAD76	1549	596801	1 - 1833	15 - 1847	AV759518, AI538852, AI440117, AI434080, AW303196, BE138594, AW301350, AI284640, AW410354, BE677425, AI572924, AA704393, AW819125, AI687343, AI732151, AW474168, AI085242, BG026977, AI696962, AI111171, AI753672, AA757661, AI358384, BG180976, AI270117, AI536908, BF678165, AV710066, AI801505, BF347791, AV755593, AI267818, AI925579, BG249643, AI334443, AA719292, BF868994, AI371165, U91322, AF207550, AL080243, AF049895, AC006261, AC004686, AC006285, AL118520, AC012309, AC010458, AC005089, AF001549, AC025594, AC005932, AC073593, AF317635, AP001717, AL136365, AP000959, AC005488, AC008616, AC005776, AC006468, AF053356, AL034379, AC005412, AC007957, AC004980, Z85986, AC011470, AC004893, AP000552, AL031433, AP000556, AC004778, AC011491, U95740, AC006965, AL035404, AP000512, AC020904, AC008699, AC002314, AC003098, AC020552, AL158830, AL109797, AC010202, AP000343, AC007358, AC005215, AC009510, AC005330, AC004813, AL109758, AL109623, AC005015, AC006449, AP000032, AP001714, U80017, AC005531, AC005011, AC011442, AC026776, AB023051, AC012442, AC004841, AP000135, AC004685, AL445435, AC036103, AC006270, AL035461, AC005189, AL008718, AC008403, AP001724, AC008009, AC005875, AL354720, AL031659, AC008747, Z93023, AP000031, AP000688, AP001748, AC008733, AL023284, AC010618, AL365505, AC005323, AL096868, AC005486, AL117337, AC005480, AC023490, AC004837, AC002477, Z98257, AL049757, AL109865, AL031602, AC002352, Z85987, AC007676, AL050318, AF038458, AC007749, AC012085, U95742, AC005081, AC004987, AC010412, AP000514, AC011895, AF001548, AC007383, AC009506, AC004089, AL355103, AC011475, AC008738, AP000557, AC002310, AC000052, Z94056, AC007649, AC006501, AP001712, AC005520, AC005484, AC004797, AC007216, AC010489, AL162831, AC004612, AL049537, AC009331, AC005280, AC008750, AP001719, AC005332, AC004826, AC010271, Z82206, AC016831, AC005038, AL162724, AC007225, AL121949, AL049540, AC004551,

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HNAAE24	1550	566448	1 - 1377	15 - 1391	AC007718, and AC007718.
HNALD94	1551	844722	1 - 1258	15 - 1272	AI956087, BG231957, AI949204, AA706438, AA043129, AW166890, AI827063, AL134574, AW168952, T15691, AA454745, AI826543, AW024703, AI352667, AI125623, AW300548, AI370380, AI288057, AA232816, AI372064, AA233870, AA926958, AA447193, AW439052, H60436, H84776, AW593600, AW969534, AA922599, AA218629, AA570089, AA894833, BF353213, AI873954, AA411348, AI521589, AI559741, BG110768, BF925392, AW020415, AA582684, BE002593, AA368329, AI306717, R39627, AA368012, BE876652, AA084950, AI015582, BG250789, H86579, AI520925, BF971214, T47138, AA614647, AI915081, AI475294, BE299534, AA721523, BF833538, BE465696, AV716506, AI890799, AI144056, AW272640, BF838037, AW951204, AA626411, BF953591, R92658, AI054419, BE002594, AI792578, AW754428, AW754431, BG150692, AI536858, AI933681, AW778780, AA287570, BF132824, H80989, AW754424, AW754426, AI187148, BE044879, AI859335, AW957511, AI814682, T41134, AI291439, BE879516, AW591276, AC011497, AC006539, AJ011930, AC003101, AL096791, AC008040, AL035458, AL121601, AC009087, AC011484, AF113694, AP000117, AL163300, AL021391, AL035587, AL133454, AC002558, AC007731, AL022726, AC005500, AP000354, AC083866, AL109799, AP001671, L78833, AC004491, AC007225, AC024247, AP000030, AL357150, AP000031, AC004883, AC004659, AL135960, AJ131016, AL133262, AF195953, AC004686, AK026155, AL356863, AL136169, AL139092, AC009242, AL162831, AD000092, AC008745, AF124523,

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HNALE44	1552	785045	1 - 1994	15 - 2008	AW957675, BF339068, BG035803, AU118864, BG121918, BF688844, BF569930, BE382967, BG108120, BG122515, BF341992, BE909336, BG119753, BF510605, AL119717, AI087350, AU145329, BF759606, AI338626, AI190337, AI493762, AI167939, AI348208, AA055694, AI077555, W74692, AI376864, BF688365, BE878563, W78908, F30928, BF759592, AA196586, BF759783, F19657,

FOI b6 b7C b7D

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HNDAC35	1553	847417	1 - 758	15 - 772	AI348351, AW363323, AA743656, W95005, W95004, AI306519, N77238, N39614, AA716324, AI681279, AA204675, AA780007, N57887, AA976098, AI095863, AI052387, AI741156, AI190647, AI797012, AI918338, AA630154, AA987679, AA807867, AI126119, AI745201, AV703111, AI539473, AI382077, AI360343, AI739611, BF061407, BF061578, AI765354, AW188175, AW043714, AA933054, AI208742, AA625585, BG254616, AI718175, BE348411, AA724267, AA621317, AW768379, AI313189, AI017163, AA758069, BE219813, BE326636, AA987343, BE327374, AI361324, AI418870, AI223786, AA659911, AA917517, AA719265, AI911018, AA131262, AA782051, AA287916, AI024337, BF195723, N70711, BF594121, AA719129, AA131350, AA053929, AI160473, R53581, N47809, N55180, AA725258, W84793, N57808, BE999990, AA459002, AA022902, N68563, AA975991, R00251, H27579, AL523879, AV713620, BF741172, AL523878, AV709608, AA152196, BF965632, AI702842, AA939077, AI686849, AI913697, AA987345, BF309042, BE537209, AV722288, R00361, AA809437, BE858552, BF058115, BG033906, AI581061, AV714308, N50192, AI274553, AI628279, AF155655, AF151874, and AK027098.
HNEAA04	1554	604918	1 - 808	15 - 822	R00996, AC009313, AC009313, AC009313, AC009313, AC078943, and AC078943.
HNEAH26	1555	862041	1 - 1474	15 - 1488	AI133308, AV744706, AI310239, AW469999, AI003789, AA890652, AI570164, AW838167, BE873986, AW515154, AA826143, AV740374, AL047454, AI375417, AI088245, AI124618, AI457143, AI540401, AI540098, AI357034, AI378966, AA084734, BF438919, AA877295, AI813836, AI382347, AA771958, BE049052, AI865581, BF475948, BE091697, BF949364, AA806435, F17026, AA223246, BE897602, AI186380, N33132, AA459350, AA551109, AI887321, AW962432, N31608, AI926394, BE073148, AA344409, AI220812, AI193408, AL043725, AA737539, AW102963, BE896206, N30146, AV690362, AW139132, AV691305, AA962220, BF338965, AV695638, AV693309, AI076479, AV730753, AI921626, AI591332, BF221483, AW136039, T05155, BE264670, AA992185, AI862212, AW298127, AW516463, AI610326, AV730830, AL040818, AA299156, BF878671, AA457524, AI309322, AW962370, AV719171, BF727445, AA669580, BF035309, AU159276, BF112065, AL036183, AW168798, AA580638, AI652064, BE646447, AI858607, T06365, BE904846, AI124774, AA069204, AV732461, AA326171,

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HNEAK38	1556	631279	1 - 1369	15 - 1383	AU144320, AW419272, AW972919, AW262722, H73550, AI914747, AW966764, AI345827, AI349817, BE677425, AA541532, AW469214, AW268757, AW268954, AW274350, AA594157, AA772906, AI762528, AA441810, AI380617, AI817658, AI054418, AA632757, AI053790, AA534221, AC002073, AL365444, AC004971, AC006441, AC007276, AL136295, AL022336, AC004491, AL049748, AK021521, AL080314, AL354720, AC010087, AC005082, AL122020, AL049761, AC004859, AC002314, AC004895, AC006433, AL157938, AP001717, AL139100, AC005225, AL132639, AC005412, AC005282, Z84469, AC011500, AL132766, AP001709, AC024571, AP000204, AP000126, U91323, AB026899, AL034423, U91326, AC004851, AC002425, AF217403, AC006597, AP001716, AL121652, AP000112, AP000044, AC006001, AC023051, AC006330, AC012442, AC007731, AC005500, AC022148, AC005015, AC005037, AC010201, AL049780, AL121892, AC002477, AC007686, AL049795, AL121905, AC004584, AF111168, AC010738, AC006994, AL136223, AL034548, AP000298, AC002550, AC000025, AC007688, AC010553, AL021940, AP001711, AC008551, AF039907, AC007055, AC006033, AL133500, Z85986, L78810, AC011484, AC002563, AP000244, AL109743, AC002565, AL049757, AL161725, AC011489, AC006962, AC007774, AC008784, AC006511, AC005089, AL049829, AF045555, AL121914, AF196971, AL109804, AL035461, AC005081, AC004217, AC007225, AC006443, AC002470, AL049873, AC008009,

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HNEAK65	1557	604991	1 - 734	15 - 748	AI921765, BG029528, AL079734, AL038842, AV734690, AA515728, AW503420, BF839844, BG111530, AW084445, AV761107, AW410354, AW245860, AL042373, AL040054, AI619742, AL119247, AI962030, AA644090, H63660, BF725884, AI537020, AI792439, AW964231, AW275432, AI801505, AW237905, BF849430, AA565911, AW068596, AI357823, AA530958, AI654738, AI343144, AW572721, AA506734, BE242193, BG059450, AI255083, AI890324, AW674258, AV703785, AW813668, AV758870, AA284247, AV763026, AV763058, BG000961, AA513851, BF725844, BF854180, AI755057, BF868994, AL036896, AI732151, AA525753, AA746911, AI754253, AA613627, AV756491, AI049955, BG115297, AA916430, AV759632, AA578621, AA469327, AI754653, AW328331, AA502991, BE908602, AI587583, AW963444, BE974081, BF940118, AW026305, AI421950, AI587565, AI419337, AA503298, AW974363, AL079645, AI282253, AA574000, AU118374, BF337320, AW962006, BF212160, AW502796, AW023111, AI753672, BG222564, BG222326, AI821608, AW969831, AI307201, AI623720, AA847499, AW847624, AW502237, BG110480, AI566408, AW328202, BG029386, AC013434, AL354864, AL132639, Y14768, AC004181, AC007225, AB000876, AC008616, AF024533, AP000505, AC007565, AB000882, AL135839, AC004859, AP000114, AP000046, AL137073, AL137026, Z95331, AC005088, AC007731, AC005500, AP001730, AC007404, AC004509, AL162584, AC006285, AL158830, AP001714, AC004587, AP001717, AC005295, Z85987, AL050335,

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HNEBX72	1558	833092	1 - 1680	15 - 1694	R08086, AC004466, AC004466, AC004466, and AC004466.
HNEBY79	1559	841769	1 - 1558	15 - 1572	BF346320, AI457389, AV720115, AU157011, BG034591, BF828714, AA211734, AL042906, AA487475, AV722075, BF826830, AL135377, AV760701, AV762838, AL042905, AV714931, AU148853, AL041895, AL037632, BF982222, BE888245, AV732497, AV733139, AI251203, AI251034, BE139139, AW303098, AI251284, AA601278, AI250552, AW405593, AW600804, AW970571, BE138387, AI284543, BF725844, U51704, AU147738, AA470577, AW276678, AA577824, AV700663, BE792565, AW975626, AI223626, AL021154, AC005553, AC005412, AL050307, AF001549, AL049766, AC005913, AL121657, AC015971, AL359704, AF003627, AC004650, AL163248, AL096708, AC005736, AC007000, AC022148, AC007963, AL096776, Z98304, AC010102, AC007051, AC003049, AC009229, AC007529, AL136532, AC005066, AL096706, AC005548, AL139396, AC005280, AL133353, AL392173, AC007597, AL133329, AL121900, AC018760, AC006578, AC007919, AP001720, AL356801, AC005682, AC004782, AC019210, AC009228, AC005920, AC001228, AL133241, AL138894, AP001725, AP001713, AC005033, AC002312, AP001728, AC007151, AC008474, AP000035, AC026189, AP000692, AL359916, AC025263, AL121585, AC003065, AL035697, AL133245, AC011451, AC005919, AC004068, AL133445, AL049868, AC005409, AL158033, AL354864, Z98036, AL022327, AL031311, AC016620, AL355499, AL355365, AL049636, AL121658, AL158196, AF227510, AL080314, AC006238, AF042089, AC012150, AC007744, AP001699, AC008011, AP000269, AC006544, AB026898, AC011331, AL133405, AL021394, AC004738, AP000152, AC004067, AL357558, AL354720, AC009123, AL159158, AL135744, AP000103, AL049843, AL132987, AC006994, AC004976, AC007198, AL133475, AC008556, AC010150, AC005162, AC005476, Z82206, AL031287, AL118511, AL353812, AC002978, AC007686, AC010267, AL035407, AC003101, AL008635, AC009408, AL355530, AP000053, AP000168, AC005632, AC006487, AC006249, AC007679, AC006451,

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HNECD52	1560	609945	1 - 1251	15 - 1265	AW834800, AL133445, AL133445, AL133445, and AL133445.
HNECL75	1561	782493	1 - 3318	15 - 3332	BF726098, AW994422, BE713390, BF966577, AL043980, AW953049, BF037483, AI057529, AL041759, BF516317, BE612525, AV750230, BG029717, AI927307, BF476458, BF591591, BE177655, BF671506, BG111349, BE466752, BE671732, AW293285, AI984448, AW131025, BF527137, AI921233, AA992578, AI867442, BE813570, AI688950, BE872177, AA713601, AA744363, AI814890, AW770838, AW023465, W86504, AW293650, BF726097, BE717644, AI190737, AI080749, D62163, AA731662, AA815138, AA939157, AI242272, BF028735, BF743775, AA807198, AW589694, R27358, AA255608, BE962664, BF927481, H13254, Z46057, AA806548, AI869113, AW130977, H27013, T94909, R77600, T34083, R27359, BF980250, D51045, R21919, T32664, T94864, Z42401, AA346565, AA760841, D62714, BG025079, H13043, AA831225, AA255632, AI677928, AI125114, AA731718, H72756, R77601, AW376123, AA713603, H72755, AW366502, R28569, Z38608, F03200, H27695, AW607154, AA649012, BF750450, R22568, BE827165, F01839, H27696, Z42309, BF885637, R28364, H26839, AW169621, AW857720, AI869354, D61922, AW607314, BF033476, BF329591, N67136, BF979439,

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HNECX90	1562	834776	1 - 1300	15 - 1314	AL519749, BF510704, AW467220, BF976120, BG122772, AI870941, W72766, AA426368, AA862521, AW770001, AW402033, AA811255, BF946366, BF974119, AI874260, BE832456, D30989, BF814882, BF365817, BF974703, AW999313, BF809012, AW749230, BF926142, AA210965, Z43142, BE080610, BF906705, BE166514, AI904993, AL137764, AL133206, and AL031985.
HNECX90	1563	881133	1 - 2531	15 - 2545	AL519748, AL519749, BG251253, BG260688, BF510704, AV715744, AI744423, AW961456, AW572952, AW467220, BF976120, BF375552, AA310290, AI418200, AI809720, AA995527, AI609023, BF939937, AI288517, AW749230, N33916, AI870941, BG122772, AL042277, BE693970, BE829113, W72766, N50139, AI433766, R01771, BE829191, BE828884, BE829037, BE829118, AA872328, AA210965, AW304798, AI421893, AA211388, AW082927, AI862845, AW090481, AA426368, BF926142, W25664, AV653707, AI363459, BE828890, AA862521, N58826, AW770001, AW135039, AV742016, AI470076, AW402033, AA811255, BE327307, BF946366, H24257, AW504348, R44989, D53448, AI298661, T30306, BE219261, BE465267, BF110646, BF974119, AA377507, H22866, BG179248, AA303231, N49623, R93116, Z43969, BE219478, BE832456, W38839, AI874260, R20203, R21666, T34311, Z40029, R01770, AA224782, T70400, BE769066, AW999313, D30989, AA317701, AA883249, AA988173, AJ278587, AI699199, AI702142, F02617, F18128, Z43142, BF814882, AW337293, BF809012, AW175776, BF365817, BE832460, BF974703, BE439387, BG059056, BF874331, BE080610, BF906705, BE828975, AL514757, AL514829, AL513961, AL515035, BE166514, AL514939, AL514773, AL515043, AW148354, AL514869, AL515225, BF955810, AL514809, AI886415, AL514885, BE876270, AL515375, BE905408, BG178911, AI541056, BF750879, AI561087, AW020710, AL042745, AL042744, BF892007, AI333104, AI610318, BG110518, AI524608, AI349012, BF815930, BE011880, BF764538, BE253237, BE963519, AI802372, AI870187, BG032053, BG029667, AA641818, AW079432, AV729462, AW163554, BG110540, BE881077, BG105342, BG032138, BE895585, AI375615, BF339923, AA449768, AA284380, AI889168, AI472484, AL514843, AL121564, AI914736, BF055899, AW303152, AV716506, AI318603, AW023081, BF054877, AI340627, BF089692, AW149268, BF975552, AI888621, AI334895, BF032768, AI345778, AL514887,

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HNEDA05	1564	834777	1 - 1550	15 - 1564	W87625, BF925862, W87626, AL449805, AL449794, AW512017, AL449806, AL449795, AL449658, AA532425, AC018607, and AC046176.
HNEDP75	1565	581072	1 - 900	15 - 914	AW020599, AA838190, AA602906, AA828062, F12561, AI002744, BF678990, AW270258, AW576571, AV705525, BF945477, AI933658, AA622801, AA534258, AA188676, BF665537, AI354423, AW859142, AW796445, BF839584, AV762351, AV739888, AI635440, AV743779, AW338179, AW004884, BF858276,

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HNEDQ02	1566	846061	1 - 2221	15 - 2235	AW027646, BF340586, AW009517, BG260335, BF980209, BE271004, AW263058, AI818763, AI192106, BE675050, BF591019, AI669045, AW134868, AI707996, AA573433, AI492381, AI246765, AA514351, AA446879, BF892705, AA758017, BF335025, AI697382, AA921924, AA447224, AU148051, AI691050, AA432078, AI344519, AI972178, AI871321, AI347414, BE542493, BF901245, BF431250, AW365019, AW365011, W63539, AA551669, AW028200, BG002751, W31293, AI560989, AA417691, AA858111, BG007938, BG002156, AW665610, AA480502, AI685660, AI202566, AA469253, AA417583, AW050602, AI948586, AI913852, AW971780, AI927502, AW779205, AA446763, T29974, AA178924, BF885671,

					BF894270, BF828834, AI658748, AI471222, BF826175, AA857884, T11981, AA845692, AI907865, AA465522, AI871547, AW747904, BE842854, BF373848, AI744722, AW747908, AI474723, AW665369, AA621061, AA953839, AW970651, AA179049, BF033387, AA522450, BF802274, BF802272, D12136, AW747899, BF333569, AA884410, BE825153, AW754216, AW834855, AI345347, AI349219, AL530760, AI345028, AI313351, AI340768, AI252529, AI254893, AI310249, D12133, BE043908, AW075189, AK022436, and AK001493.
HNEDU46	1567	695745	1 - 1355	15 - 1369	H48362, AW378249, H48274, W27604, AL445493, AJ005577, X65956, AJ005578, AB044805, AB040533, AB040530, X98847, AB040532, AB040531, S67900, L27084, and AC023534.
HNFAD50	1568	839369	1 - 2896	15 - 2910	BE901275, BE887911, BE540235, BE900318, BE540111, BE892421, BF347036, AI091372, AI978955, AI148871, AW136306, BF062764, AI076374, AI760726, AW074845, AI950999, AI862003, BE867194, AI141627, BF846203, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AA010075, N26912, N98428, AI401636, AW800867, C20943, AI249785, AW404376, H16294, AA135236, AA731184, N39868, AI612798, R93263, H16471, AV742859, AI923037, AA559951, R76656, AI201837, AA810473, AA635636, AI190005, AA081091, AW957038, T16484, AA081249, AA370045, AA961632, AA229775, AW978031, AA230010, AW885820, AI864137, C01543, T46994, AI537730, R93171, BF509404, AA665667, AW579026, AA872011, AW295123, D31491, BE551201, AV658727, BE393784, AI890472, BG165403, AI401697, AI554516, AI804505, AI500659, AI815239, BE883591, AI866465, AI357664, BG167830, AI815232, AI801325, AI866691, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560, AW151974, AI500662, AI285417, AI623302, AI539800, AW172723, AI284509, AI582912, BG171620, AI538885, AI889168, AI440263, AI927233, AI866573, AW058275, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI332957, AI285439, BE047852, AI859991, AI436429, AI355779, AI889147, AI623736, AI885949, AI581033, AI371228, AW194509, BG171701, AI491710, AI440252, AI431307, AI440238, AI924051, AI567971, AI866786, AI860003, AI610557, AI431316, AI621341, AI242736, AI539260, AI828574, AI887499, AW151979, AI539781, AI431238, AI702065, AI539707, AL514847, AI285419, AI559957,

					AW089557, AI521571, BF342104, AI469775, AI866581, AI567953, AI815150, AW074057, AI446495, AI568293, AI889191, AI867068, AI952433, AW193598, BF812963, AW834282, AI225248, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, AI371229, AI345688, AI918435, AI436446, AI371237, AW089844, BG120398, BG112844, BE546870, BE885490, AI696570, AI370623, AI457661, BG180200, AI695857, AI434969, AI225023, AI590134, AW087540, AI423733, AI499535, AI038682, AI863152, AI678409, AW084077, AW080700, AI434233, AI570056, AI868680, BG169376, AL045443, AV659072, AI494201, AI682915, AI698391, AI866458, AI362494, BF815930, AI819522, AI560641, AL515149, AI537677, AI355008, AW129541, AL117565, AL389935, AL050149, AK025350, Z97214, AL139099, AL133051, AL049423, AX041002, AX040958, AX040974, AL133655, U30290, E13998, X99971, I89947, S82852, AL137716, AL133619, AK000414, AL133076, AL133084, AL133070, AL122101, AF122922, A31057, AK026462, AL117587, AL133053, AR034821, AL133049, AX015526, AJ005690, A08456, AR055519, AL023657, AF044323, X66871, Z13966, AL137533, A77033, A77035, AK027052, AL133607, AL133015, AL133608, A52184, AF273680, AX015915, AR015970, AL080159, AL133020, AL389982, AF126531, Z69719, AF002985, AL137530, AB040710, AF047716, AF090903, Y14314, AF124728, D83032, AF130055, AC073219, and AC073219.
HNFAD50	1569	843242	1 - 2416	15 - 2430	BE901275, BE887911, BE540235, BE540111, BE900318, BE892421, BF347036, AI091372, AI978955, AI148871, AW136306, BF062764, AI076374, AI760726, AW074845, AI950999, AI862003, AI141627, BF846203, BE867194, AI634279, AW300696, AI027708, AW264933, AA135123, BF743362, AA010075, N26912, N98428, AI401636, AW800867, C20943, H16294, AW404376, AI249785, AA135236, N39868, AA731184, AI612798, R93263, H16471, AV742859, AI923037, AA559951, R76656, AI201837, AA810473, AA635636, AI190005, AA081091, AW957038, T16484, AA081249, AA370045, AA961632, AA229775, AW978031, AA230010, AW885820, AI864137, C01543, T46994, R93171, BF509404, AA665667, AW579026, AA872011, AW295123, D31491, BE551201, AV658727, AI890472, BE883591, AI866465, BG167830, AI815232, AI801325, AI866691, AI357664, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560,

					AW151974, AI500662, AI285417, AI623302, AI539800, AW172723, AI284509, AI582912, AI538885, AI889168, AI440263, AI927233, AI866573, AW058275, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI285439, AI859991, AI436429, AI355779, AI889147, AI623736, AI885949, AI581033, AI371228, AI491710, AI440252, AI431307, BF342104, AI440238, AI924051, AI567971, AI866786, AI860003, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AW151979, AI539781, AI431238, AI702065, AI539707, AL514847, AI285419, AI559957, AW089557, AI521571, AI469775, AI866581, AI567953, AI815150, AW074057, AI446495, AI889191, AI867068, AI952433, AI225248, AW193598, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, AI371229, AI371237, BG120398, BE885490, BG180200, AI500659, AI815239, AI499535, AI804505, BG169376, AL045443, AI682915, AI362494, BF812963, AI804524, AW194509, AI922443, AI494201, AI371257, BE962698, AL117565, AL133051, AL049423, AX041002, AX040958, AX040974, AL133655, U30290, E13998, AK000414, AL133076, AL133084, AL133070, AC073219, and AC073219.
HNFA67	1570	804546	1 - 1511	15 - 1525	AI151287, AW083278, AI572807, AV758491, BE503364, BG255712, AI673065, BG231936, AW271583, AW104026, AW117608, AI569142, AI620262, AI948921, AI538459, AI343865, AW768518, AI824180, AA744141, AI285766, AA909062, AI017880, AW392467, AA491089, AI433358, N63270, BF215123, AA738356, BF590425, AA490903, AW503588, AW406108, BF359141, AI080326, AI524419, C01550, BE774776, AW404442, AI872539, AI333885, AI719792, AI761997, N90339, BF755618, AI610731, BG177649, AW954213, AI857584, BE842345, AF068836, L06633, AC021322, AC021322, AC019201, and AC019201.
HNFCJ77	1571	886185	1 - 2385	15 - 2399	AV720570, AV718718, BF826830, BF828714, AV719402, BG260565, AV718664, BF675224, AL042906, BE300645, AU148007, AV763135, BF736198, AL042905, BE909125, AW405593, AU159301, AI016704, AW504485, AA680243, AI732120, AW975164, AL037910, AI446474, AA573207, AI859834, BE047069, R51308, AW513195, AA569182, AL031276, AC016601, AC004638, Z84480, AL353807, Z85987, AL133153, AL049653, AL354861, AL049776, AP000496, AL008726, AP000512, AC008134, AL031295, AL078461, AL157791, AL117381, AL109965, AC000379, AC007066, AF129756, AC002312, AC006312, AL353194, AL022320, L78833, AL117348, AC002996, AL133174, AL121886,

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HNFCO56	1572	849256	1 - 1695	15 - 1709	AV686437, AV648670, BF984258, BE895627,

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HNFCY57	1573	877653	1 - 2833	15 - 2847	AV741792, R94860, AW468866, AW176538, R94861, C01539, AW793380, AI954796, AI819545, AI583966, AI590630, AI147877, AI812091, AI274484, AA814517, AI783997, AI950729, AI637584, AI376425, AI866458,

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HNFDL89	1574	823362	1 - 2647	15 - 2661	AI978962, AI857965, AI813637, AI830818, AW247624, BE313817, AI566199, AA770461, BF940602, AI829125, BF219683, AW103050, BE384694, AA564055, BE384171, AA320270, AA515883, T84142, BF569938, BF569945, AA467876, BE278509, AA489330, AA504877, BF974349, U72661, AC006205, AF219626, U91513, AC004019, AL137159, AC004104, AC008403, Z85996, AC008068, AC024571, AL133246, AC006211, AP001717, Z93017, AC007666, AL024474, AC005071, AC005295, AJ400877, AP001721, AF134726, AC016025, AC005037, AC008623, AP001726, AC007225, AC010463, AC005486, AC008012, AC022148, AF196779, AC006487, AC007370, AC006285, AL390760, and AL390760.
HNFD73	1575	566858	1 - 980	15 - 994	AI221663, BF376501, AF035745, AL049715, AL049715, AL049715, AC019250, AC019250, AC007734, and AC007734.
HNFDU92	1576	602933	1 - 779	15 - 793	AW504485, AA577824, AL121235, AW574963, AA410828, AA680243, AI732120, AV734401, AI754544, AI858691, AV762975, AA679936, AI821490, AA633798, BG058664, AA531580, AV763538, AI631119, BG028665, AW157616, AA502104, AV743401, AA708108, N66012, AA603421, AI453714, AA679532, AA491951, AL048626, BF574637, AI521508, AI801141, BE154678, BG105817, AW193741, BF527620, T57774, AU140392, AW069625, AL079869, AA535935, AW008089, BG163541, AW249151, AA774222, AU117926, AI056177, AI554471, AW502237, AA113272, AI310464, AA410788, BE206133, AV760469, BF816106, AI978654, AL043745, AV764334, AL048969, AA613232, AW440545, AW600804, AL134388, AU130725, AA102537, AL527073, AI913324, BG260565,

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HNFDY09	1577	843300	1 - 1468	15 - 1482	BF903524, BF903893, BF898406, BF898154, BF882278, BF893991, BF904014, BF893148, BF893170, BF855708, BF898467, BF895778, BF895777, BG010782, BG008035, BF895786, BF895787, BF895781, BF898466, BF895785, BF895784, BF812368, BF893151, BF736363, BF927874, BF831948, BF870420, BF870425, BF898443, BF895788, AI391548, BF588604, BE066634, BF796079, AL041480, BF895771, BF060860, BF826244, BF592707, AW749090, BF373631, BF831946, BF746681, T18984, BF063469, BF841458, BF747162, BE142131, BF858648, BF997233, AW837869, BF884903, BF900303, BF879070, BE142146, BF917833, BF931001, BE066629, AW812601, AI139612, AI149620, BF951507, BF926436, BF838013, AI971943, BF928428, BF894931, BE078462, BF816102, BF819216, BF987095, BF760350, BG249870, AA315353, BG106424, AW383060, AW383021, BE154549, AW576858, BE154573, BE078467, BE155728, AC010507, AC005627, AL133216, AF109718, AC004987, AF281902, AL137028, AC004842, AC004908, AC004916, AC006328, AC012005, Z96696, AL137655, and AF281908.
HNFDY31	1578	724955	1 - 1322	15 - 1336	AU133276, AL532783, AI928043, BF306264, AW160704, BE884133, AU127297, BE294867, BE019295, BE384780, AL042449, BE885750, BE281247, AL046798, BE883559, AU129911, AI687433, AW505367, BE697192, BE815688, AL046792, N86597, BF084784, AW162209, W79234, BF830906,

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HNFEA17	1579	753242	1 - 2239	15 - 2253	BF981107, BE742476, BE740534, AA279097, AW975501, AI139145, BF828649, AA910673, BF825777, AA004799, BE674765, BE674764, AI076228, AA687372, AA938293, AW337896, AI581193, AW044176, AW271977, BG150706, BF751954, AI358712, AA715814, AA129746, BE062478, AL079734, AV682003, BE062476, AL037683, BF725761, AA704393, AA659232, AV759204, BF868994, AV759518, AI609972, AI334443, AV762645, BF337291, AV763418, AF075343, AV759935, BF681619, BG029528, BF826030, R67086, AW500684, AI755214, AA515728, AW779609, F25761, AI754567, AW855643, H73550, AA535216, BE062545, AI192440, AI061313, AW502873, AI754105, AI620585, AW237905, AI049709, AI793172, AI793209, AI801482, AW576251, AV738383, AI249365, BF678165, AI669421, AV754716, AI744830, AA613923, BF768846, AV760560, AW328331, AL041924, BE148969, AA169245, AV760508, T74524, AL537142, AI628859, BF342223, BE674881, BG249643, BF724699, AW589345, AA297666, AA513551, BF925617, AW963444, T57767, AA515138, AV695478, AA631517, AI612142, AL041706, BF854308, AV734149, BG056992, AD000864, AL022165, D83989, AC011475, AL133387, AC002464, AL035587, AC021016, AC007676, AL109984, AL133545, AC002984, AL117336, AL008728, AD001527, AF196779, AC010605, AC008651, AL110115, AL121886, AC013734, AL109827, AD001502, AC009244, AC005225, Z84487, AC007014, Z84466, Z81314, U07562, AC022148, AC005037, AL031311, AP000689, AC004263, AL049776, AC016620, AL078581, AC020916, AL049748, U95742, AC004662, AP001746, AC005696, U47924, AL133332, AL031602, X54175, AC008482, AC005277, AC006344, AL109952, AC010677, AC006464, AC007739, AC002430, AL109865, AC007055, AC004813, AC004858, AC008101, AC083863, AL022721, AC007384, AC005015, AP001715, AC025594, AC002563, AC006001, AC011465, X55927, AL121932, AC010223, Z82244, AC008379, AL136139, AL157360, AC005678, AF111168, AF109907, AC011462, AC020908, AC005291, AL022322,

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HNFEPS5	1580	722236	1 - 1467	15 - 1481	BE736048, BF688845, BG165737, AV700614, BG177768, BF345510, AW168132, AW149412, AW468262, AI920829, AI638563, AI263391, AI751080, AI800743, AI751079, AI251827, AA548754, AW131183, AF001545, AA576709, AA909788, AW339554, BF316533, AA875953, BE300485, AA665727, BE294981, AA085419, BE543967, AI682030, AW089744, AI687752, BF970449, BF904180, BE964767, AI364788, AI566630, BG111850, BG113224, AL041772, AI805638, BF817402, AW303089, BE963035, BF816785, BF816455, AI867042, BF913616, BE061389, BF814541,

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HNFFR59	1582	634649	1 - 1623	15 - 1637	AI524360, AL118823, AA858372, AU118852, BF918433, AW970896, AA665199, AA595499, T11634, AW021917, AW840748, AI590485, AA355379, AI267269, AL118862, BE062135, AW236259, BE065601, AA953238, AA829039, AA814825, AA284071, BE065670, AW179305, AC007388, AC007225, AC006480, AL109743, AL356299, AC008055, AL021807, AP000338, AC006088, AL158198, AL110503, AP000216, AC004825, AC025447, AC007308, AC004002, AP001760, AB020868, AL109614, AF109907, AC007425, AL358777, AC020552, AC007114, AP001715, AL136162, AC004106, AP001705, AC005057, AC024561, AC083866, AC004921, AF111169, AC005384, AF250325, AC005378, AL136358, AC025594, AC003046, AL137072, AC007546, AC007406, AL353802, AC005013, U95743, AP001714, AC006928, AC002470, AC005971, AP000201, AC004887, AC004858, AP000240, AL117380, AC004817, AC004216, AP000097, AL136418, AC005261, AC022542, AL049712, AC004985, AL109855, U52112, AP001753, U91318, AC007739, AC005233, AP002898, AL031291, AC007880, AL035667, AC002375, AL050307, AP001208, AP001330, AC010104, AC020946, AC011490, AL138815, AL121751, AC009060, AC006277, AC006337, U85198, AC005522, AL136305, AL109897, AC005229, AC005588, AC005102, AL024507, AL162615, AL022237, AL031665, AE000661, AC011604, Z68192, AL121927, AC005799, AP000044, AC011497, AC004905, AP001207, AC022517, AC008736, AC005839, AP001716, AP001707, AC007993, AL356801, AC022073, AC005228, AL117338, AC004801, AC011895, AL049872, AL163203, AC020750, AC004974, AC044889, and AC044889.
HNFGC51	1583	862044	1 - 2113	15 - 2127	BF984875, AW604921, AW610418, BF724952, BF341662, AW583832, BF734320, M79048, BF748186, BF748179, AW860207, BG057310, BF801824, BE906239, BE737161, BF885299, BF748432, BF238296, AI908761, AL021707, AF202723, AB014568, AL021707, AL021707, and AL021707.
HNFGR15	1584	844044	1 - 1537	15 - 1551	AW851821, AA856820, BF941204, AW295311, AW169301, AW152115, BF983604, AW007450, AA278250, AW574823, AI681568, BF928543, BE158799,

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HNFGW37	1585	692528	1 - 860	15 - 874	W22811, AI554733, AC011599, AC018843, AC018843, AC018843, AC018505, AC018505, AC018505, AC018831, AC018831, AC018831, AC022377, AC022377, AC022377, AC011599, AC011599, and AC011599.
HNFGW53	1586	589525	1 - 928	15 - 942	AI254860, AI302974, AV750575, AA299592, AW088531, AA678404, AL031276, U00953, AC008745, AC003010, AC008812, AC007537, U96629, AC005577, AR081997, Z95331, AL138741, U52111, AP001712, M63543, M63544, AC004554, AL021546, AC003689, AL035419, AL357057, AC009486, AC007685, Z82206, AC008738, AC005763, AL133500, AC003982, AB042297, AL035413, AC005901, AC007263, Z98257, AC004084, AC004985, AL035659, AL109965, AC005488, AC005102, AC011445, AC004876, AL022330, AC003695, AC004990, AC002390, and AF053356.
HNFHA34	1587	567287	1 - 1110	15 - 1124	BG024118, BE675179, BE550581, AW297871, AW341399, BE327611, AI650376, BF196466, BF510325, AW450059, AI346128, AI472138, AI983929, R15964, AW293627, N29778, BF970110, AW104285, AW662021, AI262734, AI347329, AI469356, AI290443, AI262322, AA769878, AA757302, N57197, AW962816, C01460, C01438, AA927114, AB032952, T66590, AC011676, AC011676, and AC011676.
HNFDH58	1588	664495	1 - 1156	15 - 1170	AW838792, AW938598, AW176555, AW938570, AW938566, AW062478, AW938564, BE162389, AW938599, AW062479, AW938562, AW176556, AW938595, AW062491, AA251701, AW751601, AW062459, AW062488, AW938568, BE162320, AW062480, AA324351, AW938597, BE162305, BE162377, AA322408, AW863442, BF881375, AV653027, AW879404, BF746158, AA251285, AI254654, BF679710, BF904616, AW022454, R68885, H13487, AL037910, AI916335, BF928297, BF852709, BF933943, BF813383, AV760445, BF877760, AA484307, AI277226, AI732117, AA493898, AA553510, AW022863, N91310, T60175,

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HNHVV68	1589	567445	1 - 1136	15 - 1150	AV654070, AW950258, AV657617, AV701759, AV707806, AW962978, AW964251, AV658784, AV686405, AV726194, AV708609, AV705684, AW960655, AW959980, AV703687, AV705299, AV702296, AV651519, AW959988, AW964409, AW964585, AW949478, AV685536, AW955012, AV658863, AV728360, AV706342, AV707414, AV707632, AV701507,

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HNFI15	1590	898153	1 - 2598	15 - 2612	BF800574, BF992519, BF877061, AL046409, AW327868, AV740801, BF677892, AA581903, AI963720, AA610491, AI284640, BF668217, AI431303, AW193265, BG249643, AV761362, AV760937, AV764307, BF767837, AI305766, AW472872, AW265385, AF330238, AI457397, AW500125, AL046205, AW501386, AI613280, AV763354, AV735370, AI345654, AV761489, AW338086, AV762111, AI350211, AW833862, AV763255, BG109996, AV735495, AL119691, AV710066, AI270117, AW576391, AW410400, AV762395, BF991286, AV763971, AV761786, AI281881, AW303196, AW274349, AW513362, AL047427, BG059568, AV759274, AI298710, AW301350, AW088846, AI696962, AW083402, AW574794, AV760777, AV762064, AA178953, AA192740, AV703682, AA720702, AI801482, AL138455, AV762050, AV763670, AW265009, AV702857, AV763449, AV762397, AV658688, AI061334, BF337291, AL041690, AV762098, AV764241, AL044940, AU147104, AV728425, F36273, AW965008, AA491814, AV760057, AW975987, AA490183, BE046438, BF725504, AI708009, AV757607, BG222267, AA587604, AL118991, BE350475, BF854876, BF697673, AV729809, AI754253, AV761843, AA613227, AW276827, AI379719, AV759507, AW872676, AI860020, AW438643, AI246119, AV762505, BF241967, AV760486, BF541120, AV725423, AW518220, AA714453, AL044858, AV761294, AV762139, AI589230, BG171096, AI821271, BF217299, AA521323, BF792954, BG036665, AV762959, AV731764, AI754658, AV764398, AW974109, AA806796, AV725431, BE742023, BF940837, AW960468, BF724767, AV742057, AL119649, BG231262, AV760257, AI289067, AW975425, AW630298, BE872393, AV762826, BF679274, AI133102, AW270270, AI375710, AI357288, AI471481, AW276817, AI674873, AI801600, AA649642, AW511743, BE881336, AA318157, AW972879, AI053672, AV764578, AA569471, AA513141, BG058664, AI061143, AA680243, AI469968, BE047069, AI745325, AV760774, AI619997, AW072923, BF915247, BF965406, AV728928, AW088616, BF724372, AA521399, AV740711, AL048626, AI358571, AV757425, AW029038, AI633025, AA101689, AI679782, AU160699, BG104686, AI053790, AA503258, AW662543, AW953071, AV733830, AV761188,

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HNFIG29	1591	852233	1 - 1471	15 - 1485	AV720542, AV718976, AI281495, AV659700, AV658950, AC003962, AC008569, AC010092, AC010150, AL161937, AL138688, AL034555, AL133344, AC020978, and AC020978.
HNFIG49	1592	569804	1 - 1552	15 - 1566	AC007005, and AC007005.
HNFJE27	1593	825400	1 - 1624	15 - 1638	AW073385, AV704652, AV701991, BF435882, AA434223, W31126, N57457, BE710106, AV758208, BG254939, BF213137, BG032497, AV716178, BE565565, BF789915, BE874698, BF668812, BF701507, BE881193, BF691904, BF699449, BG109543, BF244610, BE170706, AV716400, BE960612, BE566925, AU123924, AV715623, BE834067, AI302974, BF701085, BE568689, AU133463, BE567236, BF211444, BF571543, BG256561, AA090537, BF241569, AX011687, AK001226, AK002059, AF208851, M63543, M63544, AC009263, AL353668, AC036172, and AC022973.
HNFIG16	1594	610106	1 - 921	15 - 935	AV757332, AC007249, AC007249, and AC007249.
HNGAC71	1595	695746	1 - 614	15 - 628	AA501649, AA662976, AA455670, AA501852, AI354388, AA828062, AA610219, AW847319, BE062135, AW847311, AA857370, AW847327, AW847328, AW970078, AI818231, AA365413, AW805758, AI591375, BF957224, AI733856, AI056177, BG231402, AV745052, AI040051, AW969058, R58559, BF990190, AA630672, BE180171, AU146344, AA811208, AA719073, AU147162, AV764259, AI590906, AV760383, AW950581, H18354, AA599550, BF773559, AW150476, BF438249, AA832175, AA410788, BG250286, AV742240, AA706291, AW068007, AW068008, BE065600, AA503119, AW504299, AW979191, AW067788, BE063437, BF905892, BF921846, AA515728, AI869078, AI933714, BE501593, C05714, AI754431, AA581263, AW341978, BE156651, AW020088, AI244127, BF914929, AA829073, AW023990, AW970537, AA513893, AU122470, AV727466, AL138182, AI669636, AI889440, AA078539,

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HNGAK42	1596	602943	1 - 396	15 - 410	Z78404, AW962045, AA585098, AA585325, AV727848, R29657, AW952430, AW955349,

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HNGAL25	1597	835785	1 - 1395	15 - 1409	AC009113, AC005609, and AC009113.
HNGAT83	1598	825393	1 - 1286	15 - 1300	AA488689, AA811741, AA608602, AA347237, T49784, AA776194, H80919, T07327, AL528261, AA468196, AA372044, AA247676, AA455643, BF855159, H86221, AA827113, AA554257, T03401, AA610826, AA361273, AA077388, AA665532, AA721523, AA179659, BE872273, BF893407, BF893271, BF893473, AW470105, AA355128, AA650068, AA411590, AA557984, AA708651, AA825185, C14480,

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HNGAX06	1599	841890	1 - 383	15 - 397	AV718488, BE151171, BF744137, BE161402, BE161403, BF908662, AW938299, BE151325, BF929360, BE157408, BG009277, BF919509, AV732399, BF914856, N23244, AL044792, AW844141, BE145170, BE065468, BF841217, AW834580, BE070086, AW902139, BE565164, AV732745, AA553602, BE393346, BE157410, BE174480, T04997, AW811854, AA772420, AI886095, BF991314, BE081755, BF829806, BF956036, BF881870, BE065605, AW938295, AW938304, AA018943, AW168309, AI866744, BF806353, BF953663, AA481043, BF807105, AI253370, AA736433, AI920994, BF811850, BE067320, AW572478, BE155604, BF954856, BF964123, AW938300, AW131775, BG030759, AL157534, BE145121, AW902138, AL157598, AA486944, AF074693, AA775755, BE143181, BE067312, BE065599, BF977363, AV709241, BF344952, AW999164, BE184315, BE144643, AW818470, BF848183, BE073602, AW844450, BE083696, BE184316, BF929350, AW937721, AW937815, BF876571, AW834505, AA504312, BE696305, AA628715, AA074660, BF837408, BE155860, AA569643, T07197, BE003425, BE065465, BF839194, AA129985, BF946908, AW440195, H82488, W03511, BF767029, BF931573, BE245825, BF991141, BG000833, AW861625, AW834576, BF744529, AA579202, BE155605, BE144399, AW847202, AW847178, AA128858, AW852540, AW834553, AW834551, AU121228, BE179562, AW847204, AW842262, BF727068, AW842277, BE065597, AV730967, BE144517, BE408894, BF343443, BF032731, BE728951, AA629179, BF907704, BF967102, BF929351, BE143180, N30517, AW853650, BE161398, AW887035, BF987379, AA838082, BF792143, AW968518, BF843657, AL042237, BE147872, AW852539, AW902213,

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HNGBB09	1600	602954	1 - 950	15 - 964	AC008129.
HNGBC53	1601	852239	1 - 990	15 - 1004	AC002492.
HNGBD94	1602	704100	1 - 1096	15 - 1110	
HNGBE44	1603	825391	1 - 625	15 - 639	AA205911, AW572721, AU147414, N66744, AI885896, AI890753, N22395, AU122662, BF805326, BF870153, BF928313, N27422, AW772696, W00376, AV761004, AA668220, BF737926, T94422, T74524, T74338, AI748842, BE069194, T61362, BE069130, AW341955, AA584582, AW935783, AV742310, AC008551, Z83805, AJ132085, AC005701, AL163280, AP000045, AP000113, Z97053, AL162740, AC003106, Z95152, AL109923, AP001717, Z96074, AC004885, Z68756, AC013434, AL121825, AC008649, AF235097, AL161666, AL049539, AL356415, AC002470, AC005666, AL109963, AL121928, AL008627, AL049636, AC008745, AL136223, AC024082, AL049631, AC004996, AC023154, AC007151, AL096801, AC007381, AF031078, AL365444,

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HNGBE63	1604	561514	1 - 1183	15 - 1197	AC004897, AC013273, AC013273, AC013273, AC004897, AC004897, and AC004897.
HNGBI83	1605	566815	1 - 407	15 - 421	AA453558, AA621838, T40308, AI354847, AA506744, AA516058, BG032943, AV731189, AL516507, AV661247, AW600804, AW970909, BF998013, AA284247, AV711991, AA679936, AL079869, AI732120, AA680243, AA577719, BG058664, AU158906, BG028907, AA370455, AW968205, AL120694, AL049759, AL133500, AP001671, U52111, AL136131, AL022318, AL354696, AC024154, AC002470, AC006994, AF240786, AP000351, AL161665, AC007611, AL359954, AC016831, AC005822, AC034186, AC026161, AB023054, Z98304, AC007253, AL353688, AL022320, AF307337, AC009542, AC018719, AC009330, AL109840, AC006120, AL365315, AF067844, AL162430, AC021037, Z99716, AC010102, AJ271735, AC012064, AC022073, AP000517, AC005245, Z84718, AC019187, AC005901, AC008940, Z99297, AC019212, AC008123, AL353802, AC002412, AP001608, AP000432, AC025030, AL133480, AL049834, AL133344, AL161415, AC004027, AP001694, AC004838, AL109865, AP000352, AC009223, AL109759, AP000346, AL133244, AC002564, AL159980, AL109920, AP001700, AC013358, AC018731, AC009484, AL049646, AC006042, AL442166, AC003986, AC005399, AC006480, AC087084, AL163284, AC004189, AC012598, AC006040,

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HNGBJ74	1606	581073	1 - 1098	15 - 1112	AC009276, and AC078847.
HNGBP30	1607	603344	1 - 404	15 - 418	AC016594, AC016207, and AC016207.
HNGBQ61	1608	690885	1 - 745	15 - 759	AC026239, and AC026239.
HNGBS35	1609	768027	1 - 1426	15 - 1440	AC011311, and AC011311.
HNGBW25	1610	560226	1 - 947	15 - 961	AL354889, AC073057, and AC073057.
HNGCF29	1611	580201	1 - 1160	15 - 1174	AI085242, AI440117, AI889245, AA757661, AL042853, AL121963, AL049839, AL035460, AC003071, AL136137, AF196970, AC007029, AC009721, AC008065, AL024508, AL035671, AL049760, AL049779, Z84466, AF200465, AC004525, AC007376, AC005209, AP001693, AP001748, AL121920, AC005080, AC010605, AL163280, AC008372, AP001718, AC006038, AP000194, AC011815, AC005520, AL163207, AL031281, AL050309, AC006160, Z82244, AC006239, Z97056, AL121963, AL121963, AL357141, and AL355373.

HNGCF64	1612	823147	1 - 1925	15 - 1939	AW889917, AC006064, AL121586, AC007383, AC016602, AC004131, AL035400, AL139188, AL109976, AC010605, AL078645, AL034351, AL080243, AC005899, and AC023965.
HNGDF54	1613	702002	1 - 717	15 - 731	AL040886, BF883059, BF884884, BF883068, BF883071, BF882589, BF930520, BF935211, BF881232, BF883065, BF880157, BF881224, BF987728, BF880154, BF881234, BF928619, AW889800, BF883050, and D88108.
HNGDH22	1614	600365	1 - 1360	15 - 1374	AJ243297, AL022344, AL022344, AC010864, AC010864, and AC010864.
HNGDH27	1615	581074	1 - 986	15 - 1000	T05833, AA535406, AW847319, AW847311, AW847327, AW847328, AU147104, AA534010, AW002350, AV736964, AW265170, AW857802, AA428792, AW973098, BG002922, AU121243, AA326372, BF030591, BE147678, BF994337, AU145314, AA188670, AV696127, BF846782, AA297769, AI254913, AW149313, AA547947, BE168987, AA995496, AA468022, BG223141, AA483223, AI963720, AV760566, AU147800, AA581903, AU123691, BF738242, AI798266, AA533303, AW268300, AV733824, AI866160, AW965008, AI174766, AA503015, BE156019, BF742624, AA493708, BF680360, BF811714, AL139350, AC008969, AC004129, AL390738, Y10196, AC005368, AL049832, AP001690, AP000476, AL136166, AL157789, AC002367, AF248484, AL022165, AC002477, AJ251973, AC009298, AL163207, AC005146, AC005598, AF241734, AL132795, AC005731, AL133415, AC019173, AL391358, AF003627, AC020744, AC025463, AL121877, AL138820, AL049778, AC008124, AL034384, AL160192, AL161753, AC005870, AC010977, AJ229043, AL136991, AC020750, AC008372, AL352976, AC003665, AC006581, AP001694, AL162414, AC006355, AC020606, AC008083, AC005877, AC002091, AC006568, AL133448, AP001730, AP000517, AC005751, AF195953, AC000003, AP001721, AC005048, AC009481, AC005684, AC006479, AF225898, AB023054, AL356280, AL035091, AC022201, Z97055, AC005913, AC002542, AL139328, AL135749, AL391259, AF238380, AP002015, AC004242, AC006238, AC005886, AL136231, AL031432, AL049871, AC034199, Z82198, AC009028, AP001598, AC006050, AC005155, AC004472, AC009123, AL021408, AC011299, AC004554, AC008115, AC005157, AC002350, Z83822, AP001697, AC023275, AC005150, AC009731, AL008706, AP001676, AC004216, AC006296, AL023581, AC004945, AF285443, AL160284, AC009609, AC010771, AP002394, AP001098, AL360154, and AL360154.

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HNGDN07	1616	847081	1 - 1108	15 - 1122	AW793601, BG231195, AA483022, BE006115, BF726780, AW975434, AW238137, BF981948, AV683406, BE152006, AU158570, AW419201, BE154761, BE243879, AA516038, AV758849, BE154704, AA525818, BE244722, AW327673, AA199578, AA489390, AL048060, AU120423, AI640717, AA631512, AA720531, BF887136, BF993627, AW504667, AA768079, AW057760, AI039257, AW072963, AI275989, BF770872, T94247, AA515165, BE273825, BG114817, AL133861, BE408582, AA425283, AU146789, AA639040, AI300608, AI500151, BF855492, AW501278, AW958558, AW078646, AL048090, AA324108, AA229113, AA229127, R22664, AI547110, AI369977, AI678468, AA533660, R22663, AL121751, AC005695, AC005231, AF091512, AL009179, U07563, AC005606, AC003041, AB000931, AC008379, AL121675, AC006285, AC002314, AC009756, AL136418, AC012309, AC005102, AL031680, AC020603, L77570, AC018360, AC006162, Z69366, AC004000, AC020916, AC005031, AL080250, AC003043, AC015651, AC016025, AC003689, AL035454, Z98742, AC005553, AC007375, AC011484, AC005082, AB032485, AL137162, AL050328, AL133448, AC006064, AC005726, U80017, AL121891, AC006329, AC012067, AL049795, AL162430, AJ009610, Z84469, AL021918, AC006205, AC005900, M34462, AP001060, AF207550, AC018642, AC020904, AC002558, Z95703, AC008896, AL159168, AC005041, AP000099, AC007308, AC010205, AC016995, AL109797, AL023584, AC008044, AP000036, AC008521, AC005800, AP001743, AL137060, AC018738, AC078899, AL121655, AC006509, AL121881, AF015416, Z97630, AC004263, AL356575, AC008687, AC000353, AL008582, AL353748, AL133163, AL157952, AL109965, AJ011930, AF153836, AL121758, AC008250, AL020997, Z83844, AC005971, AC004943, AL441927, AC006211, AC008623, AL163300, AL357560, AC005914, AL109806, AL035457, AC011475, AF191214, AL021391, AC022407, AC008392, AC002369, AP001753, AC011479, AC004089, AC008155, AC005531, Z97056, AC008626, AC011495, AC005000, AC007739, AL121574, AL035450, AL117381, AC007722, AL035086, AC005412, AC010422, AL031286, AC011510, AL133353, L78833, AL049569, AL118525, AL157938, AP000503, AL158815, AP000553, AC009487, AL157789, AC006417, AC004462, AC005696, Z73359, AC024084, AL132987, AB000565, AF225899, AC006449,
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HNGDO65	1617	830724	1 - 982	15 - 996	BF970561, AW958487, AW292761, AI920953, AI986435, AI871142, BE219262, BF446527, AW190469, AI924003, AA835652, AA609913, AA740825, AA427625, AI553929, AA994071, AI002421, AW169326, AI493843, AI924013, N35612, AA394144, AA976013, AW512745, AI432011, AA879100, AI829010, AI241087, AA814747, AA831024, AA722772, AV653605, BF446148, BF884974, BF093184, AW893360, R22391, AA856663, AW955590, BE244922, AA309650, R21825, R22375, BE934295, AA481964, AA057478, R21838, N91849, AA362870, AI302309, R68441, AW438943, AA088917, AW794636, AA399147, W31271, AW104801, BF969356, AW577696, BE765066, U81559, BF093179, BF091713, BE539339, BE073808, AL358933, AL391990, AL390721, AL390721, and AL358933.
HNGDR39	1618	590253	1 - 2097	15 - 2111	AL163932, AC020772, AC022047, and AL163932.
HNGDW78	1619	621295	1 - 459	15 - 473	BE439710, BF197893, AA777622, H12071, BF928528, AI701379, AI669514, BE144817, BE144844, H30475, AC006544, AL031733, AC005668, AC006509, AL133500, AP001709, AL078612, AB001523, AC011495, and AC009363.
HNGEA90	1620	861948	1 - 1464	15 - 1478	BF962813, BF957344, AC021339, and AC027110.
HNGEC17	1621	825392	1 - 587	15 - 601	AC023300, and AC023545.
HNGEE06	1622	689506	1 - 1106	15 - 1120	AL031009, AL353748, AC008784, AC005103, AC010289, AC006203, AL096814, AC011490, AP001714, AC007934, AL034422, AL096791, AC005011, L81902, AL356299, Z82244, AC005213, AJ295844, AC011529, AC010271, AC020917, AL139095, AL031009, AL031009, and AL031009.
HNGEF70	1623	612780	1 - 741	15 - 755	AC009828, and AP001774.
HNGEF72	1624	880975	1 - 2374	15 - 2388	AV728257, AL044543, BG030787, AV726406, AI791864, AV712960, BE777852, AV762135, AV727816, BF840910, AV716692, AI792362, AV723548,

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HNGEI64	1625	732066	1 - 1231	15 - 1245	AI807475, AL049796, AC003083, AL355382, AL442643, AC026398, AC007245, AC002412, AL109837, AL022577, AL353573, AC011715, AC011715, AC036155, and

095008-09101

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HNGEJ33	1626	610108	1 - 417	15 - 431	BG000807, AA403197, AF205890, AC007914, AC007914, AC007914, AC069179, AC069179, AC008916, and AC008846.
HNGEK64	1627	825384	1 - 997	15 - 1011	AL357508, and AL357508.
HNGEN32	1628	621308	1 - 555	15 - 569	BF959835, BE139267, AA984114, AI733856, AW817932, BE139358, AW858650, AW474838, AA581263, BE062476, AV759632, AV762033, AA845848, AA761623, AW867719, N23913, AI865213, AL040054, AV758903, AL037771, AA702605, BG029528, AV764334, AA565426, AV762982, AA721645, AW576287, AA858372, AI635440, BF871659, BE885691, AV757289, AA613624, AA372312, AW863393, AA737039, AA643770, BE007886, F00564, AA908431, BE085529, AA464739, AA602906, AL038606, BE158716, BF922001, AW500250, BF678990, AA502532, AW021917, BF964699, AV762979, AV703785, AW148507, AW970877, C15363, AW271904, AA737404, BE156532, H51898, AV656851, N72170, AW504485, AV762047, AW515437, AA807583, AA515728, BE159466, AL038842, BF917602, BF902572, AV759557, F08248, AA622801, AI254779, AW270258, R95840, AI554471, AA533176, H60249, BF750422, AV758989, AW271977, AW971114, AV761862, AA916430, AV701116, AW815198, AL048275, AW021583, AA128511, AA526326, AW302315, AL042906, AA832444, AV763026, AV763058, AV740621, AW302705, F30158, BF914806, AA633798, BE007890, BF851883, AC011445, AL360227, AC008760, AF254983, AL139343, AL117336, AL163201, AC020916, L44140, AC004491, AC007954, AC005067, AL121774, AC018758, AC008569, AC011473, AP001716, AL080249, AP002534, AL135839, AC005500, AC011464, AC006538, AC002287, AC006334, AL136418, AP000688, AL049569, AC004804, AP001595, AC005098, AL355871, AC006254, AC007597, AL049832, AL163246, AC005751, AC007842, AC005783, Z82189, AL138787, AC008543, AF196779, AC005080, AC007182, AC004166, AC003101, AC011290, AC005522, AL136526, AL050335, AC008083, AC004898, AL109627, AL096870, AC009731, AL354816, AL035423, AC010203, AL022334, AC018751, AP000356, AL359272, AC005316, AP001725, AP001705, AC007731, AC011811, AC008474, AC010358, AL157838, AL138960, AC002558, AC024563, Z98750, AL137228, AL034417, AC008403, AL049830, AB003151, AC069247, AC005516,

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HNGER85	1629	825373	1 - 1209	15 - 1223	AC004914.
HNGES90	1630	853583	1 - 1612	15 - 1626	AC023116, and AC074371.
HNGET33	1631	825378	1 - 1333	15 - 1347	AU147226, AA812058, AI174827, AL046620, AU145155, BF901147, BF892846, BE049409, AI457152, AI538404, BF942991, BF944618, AI567676, AI884404, AW157128, AI860423, AU155227, AI819419, AV763460, AI038029, AW731858, H47461, BF724416, AA618531, AA632355, AA636077, AA554289, AW504667, BF445745, AW576388, AI798521, AW514844, AI733523, AI570067,

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HNGEX18	1632	621339	1 - 727	15 - 741	AW949642, AW965158, D80045, AW949643, AV738340, AW949645, AW966330, AV742732, D59927, D80391, AV720203, D80195, AV720731, D80253, D80196, D51423, D59619, D80210, AV719783, AV718489, D80240, AV719822, AV718692, D80193, AV720464, D58283, AV718844, D80227, AV699447, AV699927, D80022, AV724520, D80219, D81030, D80043, AW964468, AV722801, AV720211, D80366, AV699550, D59889, AV720812, D80188, D51799, AW973447, AV723927, AW959570, C15076, AV719324, D80038, F13647, D80378, D59275, C75259, AV718770, AV723097, D50995, AV700229, T03269, AV742001, AV742667, AV701125, AV701335, AV701043, AV701332, AV701017, AV701248, AV701431, C14014, AV718800, AV700889, D51250, D80134, AV701419, AV741220, D81026, AV719468, AV701130, AV701166, AV701154, AW978634, AV705869, AV721386, D59467, AW949641, D59787, D80949, AW949632, AV701443, C14227, AV699479, AW949633, AV719000, AV701428, AV701149, AV701344, AV719913, D80168, AV745080, D80212, AW949629, AV701021, AV701415, AV701224, AV720220, AW949653, AW949658, AV743601, AW949656, AV699746, Z21582, AW966531, AV721784,

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HNGEY45	1633	621331	1 - 948	15 - 962	
HNGEZ02	1634	825376	1 - 929	15 - 943	AW275585, AA489939, AA480561, BF887136, AI285651, BE161469, AW057760, AA648942, AW072963, AI086603, AW630599, BE677227, AL138119, AA280886, R22196, AI038990, AI935827, AI446424, AI754064, AW500532, AA731859, AW855729, AA360082, AI174703, BF792103, AW275640, AI952885, AA425283, AW080062, AW935456, BE967607, BF748493, AA584360, AA330435, AI869406, AV683406, BG231195, AW802912, AI300608, AI183727, BF812696, AA548811, AA489390, BG230829, AW342042, AW963785, AA086391, AW975247, H66812, BE171849, AA345665, BE154761, AA016062, AA370761, AI823395, R43468, AW850089, BF530611, AV695910, BE974200, BF698734, AI623505, AI271693, BF933309, AA551580, AA826079, AU151751, AA018175, AV704185, AW169183, AI028148, AI275989, BF770872, AL043285, AW964164, AA021421, AA640305, AI433262, AW750527, H86246, BF958025, BE154704, AL048969, BF346854, AI274462, BE744372, AL049553, X94359, AC005535, AB032485, AF229986, AB000931, AC004922, AC009362, AL109806, AL158815, AC004835, AC006132, AL035460, S45332, AC002985,

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HNGEZ90	1635	634858	1 - 1106	15 - 1120	AA167509, BF858645, BE139139, AI250552, AI284543, AI254770, AI251284, AI251034, AI251203, AI223626, AI669637, AI251241, BE042006, AI871970, BF063839, AA736485, AA363103, BF346850, AW959524, AA911992, BE139133, AA565911, AI369580, BG258651, BF063844, AA664879, AI890794, BF983617, AI561210, AW571963, AA632508, AC008569, AL121891, AC011479, AC004876, AL049776, AC008738, U91318, AP001717, AC018720, AC005231,

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HNGFA25	1636	609887	1 - 388	15 - 402	AA601340, AC015804, AC015804, and AC015804.
HNGFB05	1637	608297	1 - 200	15 - 214	AC010600, AC010600, and AC010600.
HNGFD30	1638	612782	1 - 556	15 - 570	AW161640, AI422074, AI087203, AI348189, AI080077, AI278825, AI359963, AI223214, AI292023, BE857105, BE855741, AW003844, AW967554, AI797910, AW966936, AI494222, BE745548, BF688926, AI356252,

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HNGFD31	1639	663532	1 - 1797	15 - 1811	AA429817, AI065030, AA569586, F16764, AL117334, AL049591, Z93020, AL161627, AL391683, AL022322, and AC006449.
HNGFD61	1640	612781	1 - 448	15 - 462	AL049873, AL049873, AL049873, AC009959, and AC009959.
HNGFG04	1641	772548	1 - 520	15 - 534	BE834528, AI760954, and AJ005821.
HNGFG74	1642	826457	1 - 997	15 - 1011	AC048373, and AC048373.
HNGFH32	1643	826458	1 - 1651	15 - 1665	AL356956.
HNGFH83	1644	636021	1 - 949	15 - 963	AP000345.
HNGFI21	1645	581075	1 - 1559	15 - 1573	AI199191, BG058551, AI887467, AW044373, AI679108, AI696879, AI285370, AI338149, AI564237, AI160241, AU149174, AW008461, AW162104, BE221258, AA290615, AA588069, AW518903, AI932281, AI986168, AW082046, AI754797, AI829943, AI801436, AI126494, AI935906, AI679683, AA630308, AA778317, AI797315, AA179797, AA603438, BE884745, BF433546, AI817009, BE870150, AI418125, AA421955, AW262652, AA421956, AW193207, AA019918, BG168580, AA962614, AW083511, BE247792, AA834884, AL527866, N71285, AL527953, AA541275, AA464170, AA047232, AA018107, AA628363, AA620345, BF343438, BF942428, BE671505, AL525677, AA024769, AA224417, R22069, AA019399, T53604, AW574720, N26857, AW601398, AA013458, AA219558, AA321592, AL528985, R93814, AA535866, BF736392, H86464, AA488180, R37734, AA024770, AW601390, AL526238, AI492219, AA846273, AI702693, AI784201, AA214508, AW263271, AA642258, AA733142, BG057862, AA021281, AI380213, AI744137, AW881374, AA620351, BF055855, AI343094, AI376485, AI247044, N55961, AI344162, AI344098, AI270823, T35480, BE794554, AA582481, AI581209, AW439847, AI250646, BE622953, AA127348, AW263006, BE904043, BG024666, X99720, X97124, A69606, AF273750, AL035413, AC005803, AC004152, AC000365, AC003083, AC004253, AC004590, AC008958, AC004594, AC005231, AC011891, and AC004226.
HNGFM31	1646	567422	1 - 1347	15 - 1361	BF511280, BE045402, BE217914, AC005069, AC004836, AC005069, AC005069, AC005069, AC004836, AC004836, and AC004836.
HNGFN77	1647	842620	1 - 1029	15 - 1043	AA085043, AF053356, AC020913, and AC011895.
HNGFQ18	1648	566865	1 - 1099	15 - 1113	Z61541, AF276756, AF276756, AC021500, and AC021500.
HNGFR54	1649	695748	1 - 481	15 - 495	AC007316, AC007316, and AC007316.
HNGFT70	1650	581079	1 - 1085	15 - 1099	AV762633, AI251034, AW970571,

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HNGFU70	1651	610109	1 - 656	15 - 670	
HNGFV39	1652	859476	1 - 1346	15 - 1360	AL357833, AL357833, AC018666, AC018666, and AC013756.
HNGGF13	1653	638117	1 - 826	15 - 840	AC004637, AC068475, AC068475, AC004637, and AC004637.
HNGGK63	1654	822862	1 - 1576	15 - 1590	AJ133424, AC023789, AJ251154, AJ133428, AL135841, AJ133427, AJ133426, AJ133425,

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HNGGK65	1655	847148	1 - 163	15 - 177	AA663171, AC009098, AC009125, and AC009033.
HNGGL11	1656	745818	1 - 1000	15 - 1014	H53285, H54253, H52398, H95564, H53284, H54252, and AL137780.
HNGGO05	1657	842158	1 - 1256	15 - 1270	AC017018, and AC017018.
HNGGS92	1658	866178	1 - 1086	15 - 1100	AC021835.
HNGGT10	1659	866179	1 - 1459	15 - 1473	BF570301, BF570370, BF569876, BF569788, BF001664, BG222351, AI685254, AW475034, AI828888, AI127994, AA614299, BF337229, AW083523, AI086753, AI308077, AI679039, AI689113, AI479240, AA411341, AI829066, AI344399, AI191086, AA179424, AA707080, AA514664, W40585, AW175921, AI289419, BF447793, AW291942, H03286, H03287, W92245, R24206, AA410523, AA599408, AI422941, Z40086, W40561, W92244, AI768006, BF800911, F04463, AA299393, AI537814, AA182723, AW270255, H50970, BG223537, AI701958, AW516631, AI057502, AA483606, AW150838, AA570740, AF277719, AC011445, AC018641, AC004841, AF134726, AL162430, AL162424, AC004837, AC005368, AF111168, AC004087, AC073898, AC007052, U85195, AC008403, AE000658, AC004491, AC009086, AC005581, AC002544, AL136000, AC004263, AP000107, AL035659, AL162414, AC007655, AL354696, Z84466, AC004832, AC003101, AC004099, AL109797, AC011489, AC004031, AC011479, AL359272, Z86090, AL365505, AP000039, AC007688, AC004965, AP001715, AL096814, AL133551, Z85996, AL080314, AC000025, AL133174, AC002299, AC020916, U91322, AP000498, AC003036, AL121978, AC004895, AC008745, AC007425, AC007993, AC024561, AL109823, AC008474, AF053356, AL022336, AL117344, AC005231, AP001725, AL133293, AC003098, AC005180, AL023879, AC004531, AC004815, AL035683, AC004000, AC007384, AC002059, AP001727, AC020913, AC004876, AC011465, AP001717, AC008521, AC011451, Z97054, AC005899, AP001711, and AC009953.
HNGGT74	1660	772549	1 - 1277	15 - 1291	AV708992, AV727822, AV709256, AV726590, AW950434, AV725618, AW952403, AV659389, AV659294, AW951239, AV654908, AV698429, AV692972, AV685688, AV689800, AV693005, AV687909, AV654070, AV702728, AV709314, AV653353, AV708381, AV651920, AV659322, AV706223, AV704234, AV725956, AV650315, AV658258, AV702385, AV725745, AV705530, AV707933, AW950443, AV707654, AV728148,

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HNGHB89	1661	722238	1 - 568	15 - 582	BF363002, X93495, AJ002556, Y14754, Y16008, Z63963, AC011256, AC011256, and AC011256.
HNGHD07	1662	608149	1 - 1205	15 - 1219	AA884095, AA662127, AA284245, AA936759, BG113956, BF972053, AA662091, AA749335, AI262774, AA618559, AA316868, AI188504, AA813254, AI311114, AA831972, AW269654, AA457687, AA635515, AI147989, AI289658, AI167696, AA923311, AA576584, AI129367, AA618512, AI658752, AI383703, AI183304, AA865786, AA972441, AA923310, AA586736, AI911170, W79424, AA306255, AI261940, BE388975, AI284345, AA579889, BG177809, AI869203, AA876769, AA935898, BE795401, BE390251, BE560964, AA187225, AA534621, BG121391, BG163595, AA532392, AI829604, BF342224, AL522299, BF689441, BG177929, AI306394, AA576043, AI222593, F37167, AA513266, AA993011, AI023548, AW891753, AA640000, W51747, AI376866, AW891825, AA715011, BF690386, F29072, BF337990, R17422, AA878407, AA308655, T33961, BF955214, T33962, AL041019, AL041018, AC007559, AL020997, AF086210, AL157789, AC004882, AC005529, AL162831, AP001727, AL356299, AL162740, AC010463, AL022330, AC004032, AL133453, AC004673, AL161757, AC005794, AL031432, AC008064, AC005539, AL031321, AL117352, AC010271, AL031681, AC005696, AC007774, Z84814, AC006581, AL136131, AC020916, AC008569, AC005519, AL137796, Z54147, AP001412, AP000010, AP000152, AC005736, AC008764, AC008068, AL031283, AL031431, AL121712, AL049776, AC005520, AC005005, Z84466, AC006312, AL050335, AL353812, AC001234, AC018682, AC006511, AF001549, AF060568, AL355392, U36478, AC004070, AC016943, AC007559, and AC007559.
HNGHK37	1663	609889	1 - 1529	15 - 1543	AC023177.
HNGHM47	1664	825363	1 - 803	15 - 817	AC005871, AC005658, AC005871, AL158078, and AL356419.
HNGHT01	1665	604865	1 - 815	15 - 829	AI377306, AP002395, AP002395, and AC022695.
HNGHT86	1666	897685	1 - 769	15 - 783	AW949643, AW965158, AW966330,

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HNGIH40	1667	638119	1 - 564	15 - 578	N22787, and AC007346.

HNGIK07	1668	825360	1 - 1128	15 - 1142	AL516469, BE271661, AI693868, AI492920, BE350805, AW291727, AW274467, AA912620, AA868311, AW249145, AI827946, AW341726, AA378476, AW172346, AI971242, AA631112, AW274383, AI168080, AI139964, AI468759, AW104902, AC005534, AC005534, AC005534, and AC005534.
HNGIM40	1669	747699	1 - 2464	15 - 2478	BE702680, AW904921, F07475, H05560, AW160882, H05552, AL534296, D56343, BF977411, H96243, AC002452, AF123074, AF063228, X66845, AF063230, AF063229, AC002452, and AC002452.
HNGIM83	1670	751714	1 - 1078	15 - 1092	BE814802, AA218565, BF109567, AL045675, BF082984, AW341978, AA654781, BG000961, AW965058, AI367551, BF760919, AA463590, AI362442, BG152753, AA828153, AI732120, AW963542, AU157238, AA552856, R83708, AW340905, BF805397, AL043676, AB012130, AF053755, AF089726, AF047033, AF070475, AF069511, AF080106, AC006271, AC021036, AC002350, AC008403, AP001752, AL035683, AC010618, AL139331, AL133548, AL022320, AF168787, AC005098, AC006211, AC006312, AC002351, AL031281, AC018758, AC027319, AL136362, AC004166, Z93241, AC008101, AC005261, AC009756, AC005722, AL355392, AF235098, AC005225, AC004967, AC006050, AC005037, AL138878, AL132777, AC005800, AC005484, AC005020, AL137798, AL133387, AC007570, AC007384, AC005280, AP000557, AC008760, AC004765, AC005821, AP001745, AC011510, AC009516, AC006101, L44140, AF003626, AC007954, AL357057, AC011450, AC011811, Z84469, AC003108, AL096775, AC004099, AC007283, AC011462, AC003950, AL121601, AL133264, AC007344, AL133245, AC010422, AC006064, AC004386, AL022165, AC004963, AC008155, AL357497, AC005288, Z93930, AC011475, AC016830, AC009953, AP000466, AL031291, AC004000, AF196779, AL133262, AF038458, AC000034, AC016898, AL162424, AC007055, AL035089, AC005399, AC009955, AL033529, AC007786, AC005262, AF031078, AC007673, AP000134, AP000212, AC011449, AC000085, AC005154, Z80901, AP001712, AF030876, AC004805, AL138836, AL049843, AL035398, AC007151, AL049780, AC010463, AC007011, AC003963, AP000552, AC008569, AC011500, AL157838, AC006965, AC023490, AL049576, AL138976, AC022078, AC005081, AC009948, AC020552, AC005900, AP001695, AL021391, AL158198, AC016027, AF064861, AL135905, AC005000, AP000555,

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HNGIO93	1671	897527	1 - 832	15 - 846	BE799435, AV702534, BE794927, BE795003, AV704454, BE795596, BF034262, BE798450, BE909700, AV714981, BF035177, BF515934, BF315576, BE788136, BE621398, BG250504, AW051303, BF684450, AI160442, BE621915, BE538456, AI675163, AI417410, BF589351, AI188724, AI149310, AI126861, AI949608, BF665678, AA772316, BF673593, AI333419, W05636, AI147464, AI159779, N36565, AI193857, AI808171, W81261, AA156841, AA987272, AA779534, BF229416, AI203946, AI088553, AI147633, AA723186, AA458523, BE909223, AI148793, AA151036, AI190133, AW136090, AA150985, N67749, AA025956, AI091251, AI128528, AA525973, AA150928, AA150938, AI494503, BF732267, AA889980, AI015920, AW273369, AA813501, W81335, AI347389, BF111495, AW404642, BE048039, BG231580, W69555, AA806495, AU156983, AA716232, AW247091, AA536057, AI023538, AI160615, AA025768, BF111409, BF541650, BF908337, AA526626, BF083140, AI004543, AV733184, W03593, AI022607, BF380089, AV761063, AA503958, AA962262, AA516362, AI635460, BF907051, AA730333, W69266, N80199, AW265401, AA373044, N32922, BF907054, AA774485, BF431740, AA341135, BE811165, T30218, AV743027, AA641289, AI022762, AI636840, AA992404, BE811192, AI675588, W88848, W81336, AI283855, BE811133, AA318712, AI262717, AW797473, W38490, F35937, AA344784, BE811195, R42876, AI185384, BE811199, BF083146, AA513218, AA579739, BE073215, AU137016, AW079571, AL537644, BF325754, T16491, AA543048, N77883, W88752, N42066, R21493, AI269143, T05161, AW800835, W81193, AI674400, AA355413, H22398, AI572961, F34997, AA973177, AA889985, T20101, AV739889, AV740655, AV742822, AV739410, AV742913, AV738693, AV743365, AV741644, AI348980, AV740619, AV736125, AV743895, AV739545, AL048673, AL048672, AV741586, AL048657, AV739945, AV739631, AV738096, AV739298, AV744155, AV743584, AV741326, AV736661,

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HNGIS27	1672	825351	1 - 616	15 - 630	AL158052, AL158052, AL158052, and AL353598.
HNGIU16	1673	826717	1 - 2507	15 - 2521	AW965206, AL040914, N95083, N35184, AV749695, AW772501, AI554077, AW591390, R86229, BF670238, AI460174, AW189323, AW469041, BF984263, BF576337, AW137960, AW501278, AI572680, AA564407, AW631267, AI732327, BF970107, BF855695, BF589864, AI002950, AL044966, AI254267, AA493464, AA828840, AW975239, AV763460, AW148964, AV743067, AW979200, AI003086, AW813775, AL121039, BG180320, AI702049, AV733634, BG059139, AW963295, AI433952, AI078409, BF814446, AI925588, AW265468, AA135761, AI905408, AI434103, AA768079, AV720226, AV719654, AI167715, AL039117, AW238137, BF770872, AW468128, F30310, AW277240, AW518882, AI792586, AI792498, AI312267, AI345166, BG059924, AV760960, AI620014, BE065048, AI252611, BE139452, AW410844, BF445745, N49298, BE152006, AI791408, BE155462, BE138757, AV762112, BG004739, AA629668, AW162314, AI053657, AI054287, AI571094, R53536, AW192930, AW020198, AI791720, AW182182, AL138262, AI859618, AC007970, AL359833, AF053356, AC005186, AC018764, AC009517, AC008752, AC083860, AP002026, Z73967, AL022316, AC003043, AC017020, AC004385, Z84470, AC064878, AC003085, AC003082,

09950063 091201

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HNGIX91	1674	564574	1 - 1461	15 - 1475	AI284640, AW303196, AW301350, BF677892, AI696962, AI133164, AV762098, AW576391, BG249643, AL120687, AW419262, BF965007, AI281881, AW965008, AW270270, AV729809, AW274349, AI334443, AV760777, AV760466, AA581903, BF697673, AW502975, BG059568, AW193265, AV730310, BF668217, AL046409, AV757607, AV728425, AV710066, BF241967, AV735495, AF330238, AV730952, AI350211, AV742057, BF984160, BF130107, AI457397, AI473943, AI613280, BG236735, AV725423, AV702857, BF680639, AW021583, BF684828, AU145393, BF679304, BE049095, AA490183, AA680243, AV725627, AW407578, BE160727, AW265385, AL119691, BF311000, BF681427, AV762139, AV760937, AW969629, AW265393, AI192631, AW969988, BF725504, AW872676, AI345654, AV759505, AW238278, AL042420, AV759172, AA521323, AA491814, AV762395, AV759518, AI732120, AI754253, AA652764, AW500125, AV741609, AV742309, AL041146, AA521399, AW974109, AW467362, AW630298, AL138265, AI064864, BE872393, AW833862, AW327868, BE160516, AV740801, F36273, AA525190, AV764578, AV762571, BF724372, AV742337, AW103758, AV658688, AW979060, BG222267, AI148277, AI564185, AW474299, AI754658, AI561060, BF793766, AV733830, AU145314, AV763354, BE672637, AF074677, BF813686, AI754336, AV762154, AL042853, AV760042, BE042649, BE152638, AW513362, BF337291, BE350475, AV728928, AI801482, AA720702, AV764530, AV703682, AA533333, AV761106, AW162489, AW662543, AV761489, BF793664, AW472872, AV764398, AV762050, AI289067, AV761286, AW731867, AI537955, AI355206, BE049139, AV735370, AW574794, AW510513, AA469451, AW029038, BE967369, BG109996, AW872575, BG058664, AV734666, AW500353, AA468022, AV762535, AI471481, AI619997, BG179731, AV725431, AV762111, AW438643, F28204, AW963497, AI538852, AI133102, AV764241, AV762959, BF339640, BF940837, AI287651, AI745325, AL046898, BF541116, AL118991, BE047069, AA669840, AL134972, BF991286,

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HNGJA68	1675	824145	1 - 1770	15 - 1784	
HNGJB57	1676	663998	1 - 1729	15 - 1743	AL031177, AL031177, AL031177, AL031177, AL137065, and AL137065.
HNGJE86	1677	826451	1 - 1187	15 - 1201	AW853201, AI831743, AC007064, AC006548, AC026273, AL133173, AC026273, AC024972, AC007064, AL031601, AL031601, AL031601, AC020760, AC020760, AC006548, AC006548, AC006548, AL133173, AL133173, and AL133173.
HNGJH26	1678	663997	1 - 1801	15 - 1815	BF333825, BF333802, AC016026, AC016026, and AC016026.
HNGJJ61	1679	604485	1 - 911	15 - 925	
HNGJL07	1680	825345	1 - 907	15 - 921	BF531050, AA683081, W26415, BF954853, BF964120, BF987495, BF944808, BF749584, AW899337, BF812756, BF942897, BF921018, AW999281, and AL162042.
HNGJS66	1681	608638	1 - 965	15 - 979	AI652239, AA973759, AI655845, BE550370, AI651751, AI631547, AA872619, AI371978, AI955057, AW136207, AI917825, AI638315, AA580965, AC019205, AC019205, AC068247, AC068247, AL133336, and AL133336.
HNGJU60	1682	825336	1 - 534	15 - 548	C14227, T11051, C14389, Z21582, AV741888, D59787, AV740535, D80064, AV718707, AV737584, D80045, AV743654, D59502, C14298, AV700313, D59695, D52291, T11417, AW949642, D81111, AW975618, D80227, AV699447, AV738340, D59927, AV719049, AV700495, D51423, AW964468, D80196, D80366, D80253, D59619, AV718489, AV718692, AV719783, AV718844, AV720464, AV720731, D81026, AV724520, AV699927, D80219, D59275, AV720203, AW965158, AW973447, AV722801, AV744012, F13647, AV744690, D80168, AV720812, AV699479, C06015, AW966330, AV700895, AW966389, AV719000, AV700889, AV701332, D50995, AW966013, AV720791, AW966041, AW964488, AV723927, AV720220, AV700229, AV699746, D57483, D80038, AV719822, AW978661, AW960465, AW966065, D80949, AV699480, AW366296, AW959202, AW966050, D51079, AW959597, D80014, AV742001, AV742667, C14407, D80391, AW949645, AW975605, AV701125, AW949643, AV701043, AV701248,

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HNGKB09	1683	836060	1 - 961	15 - 975	AC061966, AC061966, and AC073616.
HNGKW35	1684	899408	1 - 467	15 - 481	AL359700, AL022724, AC068635, AC068647, and AC068647.
HNGKY94	1685	835021	1 - 811	15 - 825	AW819125, AW970571, AW504485, AI246796, AV762741, AI635819, AV740801, BF681619, AW410354, AW088846, AA410788, AA680243, AW975987, AI969436, AI732120, AV733830, AW327624, AW969743, AA587604, AW963463, H05940, AI859946, AV762050, AV756491, AI311647, AL357352, AP001725, AC010422, AC006989, AL133551, AB023049, AC008543, AC008687, U02532, AP001745, U18399, AL139099, AL009181, Z97053, AK000140, AC005829, AP001711, X55923, AC007204, AL390763, U78027, AC012627, AL133448, AL022329, AL035422, AC004846, AP000246, AC008745, AC006449, AX039602, AL356379, AL022476, AF109907, AC011489,

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HNGLD28	1686	836062	1 - 441	15 - 455	AC006385, AL163194, AC007785, AL078612, AL356131, and AL445604.
HNGOY36	1687	834936	1 - 797	15 - 811	AA013478, AA019064, H40858, H41082, AA018827, AA020955, AA054258, H84118, R85722, AA021259, AL138120, AV741888, C14227, T11417, T11051, AV740535, D80168, AV743654, AV737584, AV700357, AV718707, F13647, AV701004, C14389, AV699866, AV720731, AV718692, AV699669, AV718489, AW973447, AV719783, AV718844, AV720464, C14429, Z21582, AV722801, D80240, AV724520, D80253, D80210, D51423, D80219, AV719049, AV719000, AV699447,

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HNHAB38	1688	609892	1 - 622	15 - 636	<p>AA765899, AI444575, AW962791, AW502688, AI567676, BG027735, AW021674, AV758849, AV763460, AW410844, AV683406, AL121039, BG180320, AI702049, BG059139, AI921744,</p>

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HNHAC43	1689	654859	1 - 1118	15 - 1132	

HNHAD34	1690	612845	1 - 1048	15 - 1062	AI348722, AI792525, AI862231, AW086361, AI792627, BE139397, AI254439, AI349662, AI053903, AI053450, AA468466, AA468319, AA736485, AA805014, AW968194, AI686832, AA218945, AW970981, AA513884, N38996, AL021155, AC004678, AC005193, AL160231, Z68276, AL391114, AC009363, AC004832, AC003657, AL049709, AL133163, AC006241, AC007597, AC006111, AL031291, AC004991, U19241, AL136173, X55448, AL136223, AK024995, AB046778, AC004089, AC005081, AC005803, AL031985, AC004778, AC005015, AL162811, AC007619, AC006035, AP000356, AL117354, AC008521, AC007225, L44140, AF168787, AC005225, AC008897, D12525, Z82206, AL031280, AC010271, AC006237, AC020904, AC007934, AC007883, AL157713, AL050337, AL136226, AL357559, AF205588, AC007011, AL136137, AC011890, AC009953, AC006597, AL138787, AC011449, AC008474, AL160161, AL031680, AF139813, AL021937, AC007375, AC005377, AC004230, AX033920, AL049653, AL353604, AL031602, Z82203, AC008924, AC006482, AC008821, AL121652, AC022212, AL159168, AC004132, AC053467, AL136529, AC002454, AL022336, AC004846, AP001694, AC005666, AC004890, AL445220, AC004967, AL138756, AC003950, AL021155, and AL354944.
HNHAG83	1691	604993	1 - 661	15 - 675	
HNHAH06	1692	609900	1 - 821	15 - 835	AL031965, AC003115, and AL031965.
HNHAJ65	1693	604996	1 - 584	15 - 598	AF045449, AF064862, AL163281, AF064862, and AF045449.
HNHAL61	1694	668254	1 - 1431	15 - 1445	AC073276, and AC073276.
HNHAP58	1695	535713	1 - 874	15 - 888	AI081887, AA663950, AA594109, AW665908, BF694330, BF667291, AI139092, BF526349, AA828230, AU154132, AU153327, AI042054, BF526592, AU152170, AA788997, AA581313, AI142479, AA604801, BF696012, BF351539, BF669645, AI127229, BE768221, BE696686, AI275487, BE834522, BF843823, BE834512, AA682870, AA831970, H18318, AI049542, AL038598, BF360487, AU154752, AU144198, AA709246, AI081383, AA553891, AA026336, BF698270, AI240301, AA904884, AA721497, AI476458, AA598876, BF844798, AA825178, AW963355, BE763160, AI168698, AI684196, AA977482, AI128343, AI421595, D51543, AI421558, AA550847, H22390, AA225568, AI298512, AU156705, AW089178, AI560288, AA232270, AI055922, AI215721, AI368384, AI342890, H20843, AA917977, AA994170, AA995025, AA485301, H41844, AI685590, BE768040, AW008625, AW087405, AI867141, H11125, AU149932, AI083619,

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HNHAW34	1696	603386	1 - 628	15 - 642	AI962188, BF057614, AW057910, BF371754, BF902151, AI393222, AC023391, and AC023391.
HNHAW35	1697	825316	1 - 812	15 - 826	AL038977, AW084152, AA594742, AA035676, BE243506, BE246405, AI636306, AW238212, AA910783, AA283081, BF083135, AA009595, BF674640, BF901439, AA501371, AW152111, AL038800, BE615055, BF438711, AA357311, H68379, AF063559, AU146072, AW304699, AI628922, AV731321, T29360, N88501, AI570779, AA599080, AI024511, AA641053, AA714140, AW630819, AI306411, AI537258, BF512353, AI751145, AA706209, F01256, AC011299, AL080249, AC004025, AC022201, AL132772, AC005386, AF111169, AL121753, AC018738, AC008873, AL157768, AL132719, AR036572, U91328, AC005822, AL118501, AC022360, AL121757, AC083864, AL109837, AL009183, AC004129, AL132987, AC034242, AC007405, AL022145, AL031651, AC004226, AC007366, AC005211, AL022721, AL391683, AC004905, AC008012, AL136527, AL390209, AC003685, AL442166, AC007371, AL031123, AL109752, AL163284, AP000511, AC011480, U91319, U91321, AL022330, AL132639, AC003037, AL137786, AF217490, AP000280, AP000039, AP000107, AC011497, AL031681, AC005913, AC004032, AP001712, AC002452, AP001715, AC011445, AC018663, AL135936, AL033526, AC016471, and AC016471.

HNHAY26	1698	704789	1 - 2085	15 - 2099	AA324059, R70883, AA326603, R70884, AA557911, AV757738, AA558404, BF769085, AA324559, AI903090, AI348780, BF815843, T47138, AA550989, AI049845, AI434653, AA628581, BF813670, BF930997, AW902341, AA325115, AI251809, AA838091, AW104161, BG011407, AV701853, BE149998, BF034909, AI357762, AI016560, AA555232, BF856766, AA102737, BF824875, AA810154, AA832016, AA831801, AW836439, AI753904, AW673274, AW249660, BF677526, AA167179, AW974363, BE140860, AW304699, AW615450, BE788197, AA338289, AA702083, AI872117, AL048479, AA230155, BF873355, AW192419, AI568376, BF884894, AA847499, BF834879, AI565084, BF769082, AI061619, R92658, AV730768, T92394, BF769229, AW467781, BG113821, AA470596, AA485482, BE161469, AA807583, BF926094, AA557982, AA746911, AL109653, AL031733, AL136135, Z97183, AL049780, AC005841, AC005666, AC008266, AC006960, AC005081, AC004799, Z99943, Z83845, AC007546, AL158172, AL031297, AC002110, AC004023, AC004776, AL033529, AL034548, AL121825, AP000223, AL049795, AC008395, AF051976, AL139100, AC003692, AL118511, AL133387, AC009000, AC006930, AC006330, AL109914, AC008688, AC002105, AC006388, AC005218, AC022543, AC004797, AC004475, AC010223, AC002289, Z82184, AL121939, AC003043, AC007970, AC002073, AC004623, AL135745, AP000207, AP000129, AL121997, AC005064, AC011742, Z97989, AC004067, AC004843, AL391684, AF064019, AP000300, AC009123, AP000294, AC004611, AP000111, AP000043, AC005036, AL445490, AC003688, AL353804, AC007308, I96182, U63963, AL035071, AP000045, AP000113, AC005295, AC007055, AC005988, AC009482, Z97985, AL121981, AC010267, AL034549, AL109799, AC004804, AC010789, AC005887, AL031291, AC004821, AL021453, AC011479, AC002314, L47234, AL161665, AC026431, AL138914, AL137017, AP001055, U95090, AL139339, AL049761, AJ009611, AL008718, AL049872, AL109965, AC005011, Z99128, AC006132, AC000393, AL353667, AL138735, AC006061, AL008732, AL031228, AC011738, AC002477, AC005412, AC006046, AL031597, AL023553, AC007263, AL137073, AC025435, AL031657, AB041832, AC016254, AC004526, AB042425, AC025436, AL133324, U62293, AP000313, AL354751, AL135818, AL022320, AC002544,
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HNHAY86	1699	866180	1 - 939	15 - 953	AC025848.
HNHAZ20	1700	839696	1 - 1545	15 - 1559	AI822070, AL158837, AL158837, AC025991, and AC025991.
HNHBE21	1701	606789	1 - 594	15 - 608	D59787, D80366, D59619, D80196, AV719783, AV718489, AV724520, AV718692, D59927, D80253, AV720464, D51423, AV699927, AV718844, AV720203, AV720731, D80219, AV722801, AV720812, D59275, D80134, D80193, AV723927, AW973447, AV701043, AV700229, AV701431, D80227, AV742001, AV742667, AV701125, AV700889, AV701017, AV701248, AV743008, D80210, C15076, D80240, D80043, D51250, AV719822, D80391, C14014, AV742720, D81026, AV699447, AV718681, C75259, AV745080, AV701154, AV743601, D50995, D59467, C14389, AV744934, D80045, AV720150, AV701332, AV701166, AV744768, AV720211, D59889, AV701021, AV701004, AV741012, AV719324, AV719913, AV720607, AV701261, AV745724, AV745723, AV744770, AV701344, AV701428, AV701118, AV744773, AV701149, AV701055, AV701012, D80022, AV745369, AV718707, D80038, C14227, AV701163, AV700159, C14298, D81030, AV745366, AV701145, AV700622, AV699550, D80195, AV742996, AV744771, F13647, AV699669, D50979, D58283, AV701335, AV745847, AV701422, AW959570, D80164, AV701419, T03269, AV742671, D80188, D51799, D80378, AV701227, AV721386, AV746385, D59695, AV718770, AV701130, AV699682, AV719468, AV718800, AV745190,

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HNHBE38	1702	562730	1 - 1143	15 - 1157	AW023111, AW976024, AV756491, AW237905, AW328000, BG036665, AI251576, AI345157, AV758870, AV761107, AA833875, AA833896, AW500029, AI583466, AW575000, AW504224, AV710482, AW341978, AV760014, BG036370, AI282479, AI630283, AW978041, AW467607, AI345654, BF925617, AI521525, AI440117, AL037683, AA828834, AI821076, AI791185, AW270385, AW162288, AA469327, AA573067, BE208115, AC005907, AC006251, Z98304, AC004253, AL050341, AL391122, AC005088, U47924, AP000505, AC000353, AC011462, AC004913, AC005052, AL021154, AL022316, AP000510, AP000513, AC023490, AL049856, AL031228, AC005095, AC005261, AC007957, AC006312, AC004813, AC005527, AC005049, AP000556, AP000557, AL049776, AC005209,

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HNHBG18	1703	604924	1 - 728	15 - 742	
HNHBI65	1704	566816	1 - 289	15 - 303	AC006199.

095005660

HNHBM16	1705	566866	1 - 1148	15 - 1162	AU148047, AW820343, BG028665, AW407632, BF956918, AI791227, BF869052, BF679977, AU144517, AV753973, AA071151, BF873887, BF879009, BG260565, AW963473, AV714931, AW023111, AW973992, AV733710, BF725844, H53937, BE395485, AV760502, AV762783, AW500684, AA515728, AW816516, AI755214, AA706495, BF854308, AI754567, AW576251, AA056248, AI133083, AI754105, AA878492, AV759632, AL042282, AA715814, AI801505, T74524, AW849714, AL042373, AW471092, AI521525, AW408767, AW303098, AI249688, BE536980, AI078409, BE139267, AA523695, AI923052, AW965633, AC005225, AC019227, AL160231, AP001710, AC008738, AC005952, Z83822, AC006329, AL031727, AC007151, AC005522, AL035400, AC007225, AL121897, AC010789, AC007327, AC005274, AL136137, AC003043, AL020997, AC004098, AB023048, AL122021, AC002301, AL109797, AC006509, AL031432, AC006111, AL138836, AC020916, AL049537, AC011510, Z85986, AL117377, AC005102, AP001712, AF165926, AL355392, AC005015, AC005971, AC007279, AC010458, AP001727, AL109804, AC007731, AL021154, AL080243, AC008760, AC020934, AC005500, AC008569, AF088219, AC010271, AC005531, AL031846, AC007597, AC004675, AC008784, AL035420, AF053356, AC002544, AL022320, AC010311, AP000008, AC011495, AL139286, Z97054, AL035685, AL118525, AP000704, AC006211, AC016543, AP001711, AC006483, AC006449, AL049569, AC004491, AC005305, AC006121, AC006360, AF134726, AC005722, AC005482, AL121601, AL360227, AL034422, AL049591, AC005730, AC008736, AL139099, AC005529, AL158040, AL391259, AC012076, AC020552, AP000356, AC005081, AP001725, AC027319, AC004231, AC004929, AC009953, AC004020, AC008543, AC018738, U52111, AC010422, AC004967, AC012099, AL137119, AC005056, AC011479, AC002350, AP000555, AL158828, AL354864, AP001716, AC018719, AC005736, AC004662, AJ011930, AF003626, AC009032, AL163300, AC011450, AL050307, AC004033, AL136223, AL136526, AC004971, AC011465, AC006388, AC004965, AC004813, AL031723, AL009181, AC011811, AC007739, AC006160, AL034372, AL022476, AF038458, AL031774, AC005837, AC008474, AC010219, AL133332, AC010605,
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HNHCH78	1706	694657	1 - 745	15 - 759	AW970571, AA449997, AV702109, BF868994, AL079734, AI369580, BF725884, AV756491, AI085242, BE968744, BE252421, AW237905, AW500684, AW068596, BF677892, AI358712, BE062476, AI890324, AW502237, AW976024, AI251034, AV761107, AW275971, AI755214, AA502991, BE138594, BE739230, AW303098, BG000961, BE139139, AW973992, AI754105, BF681619, AI754567, AA916430, AI732151, AV760508, AV755654, AW069769, BF725761, AI251203, AI250552, AV759149, AI613389, AI251284, BE062478, BF828714, AW576251, AA524229, BG115297, AV760469, BF854308, AV758870, BE069140, BE179205, AA013168, BE138387, AV733824, AV762866, AA833875, AA833896, AI821764, AV762354, AA665960, AV710482, AA680243, AI732120, BG110166, AW023111, AI284543, AW410354, AA019973, BG180976, AW301771, AA579130, AV759295, AF075343, AL037714, AW500029, AW963463, AI267356, AI267450, AW855643, BG033220, AW026305, AW023689, AI421950, AW328331, AI310787, AV760453, AI419337, AA640430, AI923052, BF526964, AW084445,

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HNHCP14	1707	651348	1 - 919	15 - 933	AC004840, AC004840, AC004840, and AC004840.
HNHCQ44	1708	606791	1 - 641	15 - 655	Z82193.
HNHCT22	1709	664496	1 - 352	15 - 366	AC027462, and AC024192.
HNHCT47	1710	634691	1 - 607	15 - 621	AA469441, AA328289, AW972888, AW968156, AA502813, T09124, AI821722, AI732162, AI821172, AI792063, BE146613, BE146622, AU119400, AU119141, AA736713, AA572983, AL120694, BE392609, BF676104, AA598663, AI798242, BF346320, AA525409, AA834799, AW970987, AA525174, BE747883, AI636734, BF129921, BE395693, BF869362, BE677425, BF345228, BF345114, AA502536, BF747666, AA569179, AA482323, BE537881, BF871505, AV695478, BF340209, AI824589, AI567106, AV719084, AV763603, AA364869, AL079869, AA608741, AA468456, AA652059, AI309943, AL046620, AL041895, AA621838, AL031728, Z84480, AL135839, AC025594, Z83844, AC002470, AC007308, AC009228, AC007597, AC006388, AF109907, AL021546, AL133448, AC005098, AC004694, AL133245, AC004815, AC004166, AX039602, AC004846, AC004030, AL031685, AC002369, AC010463, AC005803, AC018712, AC008569, AL035704, AL118502, AL049760, AL353193, AL138759, AC007883, AC007057, AC009475, AL049872, Z84486, AC005089, Z93020, AC011490, AC005871, AC007384, AC008745, AC020954, AC004967, AC005972, AL096774, L44140, AC005052, AF031078, AL121586, AL391384, AL353748, AC005081, AF030876, AC004073, AC005067, AL159168, AL121920, AL022476, Z97184, AC004887, AL161670, AC002126, Z93015, AC009060, AC016027, AC007685, AL031651, AC016830, AC008551,

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HNHCV48	1711	737905	1 - 1597	15 - 1611	AW105504, AW963594, BF901743, BF902569, AW084431, AW970570, D44626, AA745302, AV704685, AI245693, BF925837, T05617, AU118968, T10218, F23268, AU141460, T34066, R70884, AI469468,

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HNHCZ54	1712	824072	1 - 1253	15 - 1267	H46830, H18298, Z83845, AC000039, and AL031663.
HNHDC52	1713	812424	1 - 1327	15 - 1341	AL043280, BF902433, AI688236, AL034545, AJ271735, AC025226, AL049781, AL136134, AL161916, AC007458, AL137881, AL354793, AL138893, AL392108, AC007751, AL356513, AL133412, AL445468, AL022158, Z99569, U69729, AL031074, AC023134, AL163853, AC006582, AL078605, AC008526, AC016568, AC005294, AL356967, AC004585, AL031312, AC007717, AL023582, AL022310, AL158193, AC005244, Z98748, AC005100, AP000339, AL009028, AL354977, AC026425, AP001608, AP001760, AC020977, AP001700, AL022401, AL109753, AC007785, AC007214, AC008498, AP001674, AL365400, AC009430, AL138758, AC020717, AL353582, AC002422, AL139295, AL132668, AC007878, AL023883, AL163533, AC006213, AC000114, AC002523, and AL034545.
HNHDD95	1714	835370	1 - 358	15 - 372	AL353727.
HNHDE58	1715	566782	1 - 731	15 - 745	AC016631, and AC008808.
HNHDI17	1716	738043	1 - 1189	15 - 1203	BE899007, BF338817, AU139668, BE264980, AU135520, AA601227, AU121535, BE250577, BE728115, BE531051, AI114647, BE563291, BE616582, BE736918, BE615376, AW957880, AW957801, AA307661, BG250960, BF882363, AA715194, AU120778, BE167158, BF197329, AV715734, BE792178, BF203663, AV748578, BF591000, AV749263, AU136531, BE184422, BE304382, BE883545, BE386373, AA804919, BE736970, AI907454, AA504980, BE566249, AV683302, AV698434, BE385152, AW630075, BF940980, AI440300, AA584467, T62188, AA662993, AW899527, W22010, AW898920, AA826146, AA081887, AA431294, BE083070, T94924, BF675027, AA359714, AU127460, T81895, AA232145, H73439, AI347154, BE220229, BE163516, BE884391, AV725653, BF957946, AV706319, AV701925, AU128609, AA205629, BF514657, BF857863, AA431655, BG032917, Z21266, BF217767, AA583368, AI358928, BE269776, AA731759, AF003529, AL158823,

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HNHDL37	1717	610113	1 - 708	15 - 722	AC004034, AC004034, AC004034, and AC004034.
HNHDM21	1718	610114	1 - 238	15 - 252	AW062685.
HNHDR57	1719	638121	1 - 1181	15 - 1195	AL044340, AV763305, AL037632, AV760497, BF879046, AV763952, AV762002, AL079869, BF725884, N23913, AV710705, BE222564, AU122388, AL133507, AL020997, AL121586, Z93023, AC003029, AL139384, AC005261, AF139813, AC027319, AC008760, AC006441, AC005324, AC008474, AC025593, AC005288, AC002470, Z98200, AC009032, AC004965, AP001694, AL138836, AP000502, AC006241, AC008569, AL157877, AC011475, AC005529, AC002477, AL109963, AC005839, AC020552, Z86090, AP001670, AL031658, AC008736, AL354864, AC004125, AC006483, AL034420, AC005972, AC020754, AC011489, AL034405, AC007383, AC005899, AL096791, Z83844, AL096814, AC006512, AC005098, AL080243, AC003982, Z84469, AL365505, AC007371, AC005522, AL049569, AC008753, AL024507, AC005071, AC018644, U91326, AC011811, AC010422, AC005089, AC008068, AC021999, AC005755, AC007731, AC020663, AC004228, AL109825, AC005500, AC011462, AP001725, AL034429, AC004383, AL136418, AC004967, Z98036, Z93015, AP000555, AC008521, AC005519, AC027644, AL353748, AL035587, AL353802, AP001717, AL109758, AL049757, AL121712, AP001718, AF134726, AP001714, AC008403, AC007686, U85195, AC005088, AC010605, AC020893, AP000512, AL022315, AP000248, AL158040, AL445483, AL121928, AC004895, AL161670, AC008806, AC025435, AC004840, AC005043, AL356299, AC007283, AE000658, U52112, AC004526, AC068799, AC016027, AC022392, AL033529, AC021016, AL162430, AP001710, AC004477, AC004890, AL117382, AC004166, AC016830, AL096870, AC002375, AC006329, AC005484, AC004491, AL049776, AL031005, AC020908, AC008812, AC084732, AC011455, AC020917, AC005520, AC011545, AC022148, AP001713, AC002563, AC006468, AC011450, AC002350, AC005874, AF134471, AC007957, AC000025, AC002302, AC011495, AC002544, AC011465,

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HNHDR96	1720	664497	1 - 1333	15 - 1347	
HNH DU62	1721	610094	1 - 780	15 - 794	AC021168, AC021168, and AP002492.
HNH DW34	1722	607867	1 - 1170	15 - 1184	BF346320, AL044340, AA984258, AV759356, BF971234, AW965008, AW979073, AV762001, BF525393, AI160144, AA706495, AL046746, AV760364, BG260565, BE394939, AL525929, AL524262, AF074667, AV763174, AA126635, AW419286, BE908602, AV759711, AV762900, AV762022, AL042906, AV762902, AA603421, AV761309, AL138254, BG032943, AV731286, BF212160, AI800168, AV759683, BF725844, AI815583, AV759686, AI816537, AV762779, AL042905, BE156097, AV759684, AA427470, AW023111, AV759682, AV764387, AA601278, AL135698, AW502873, AI866487, AV722075, AI054414, AA565911, AW105729, BE973547, AA425924, BF673911, AV714931, BF854170, AA492584, AW474168, U51704, AA825827, AV760360, AI436378, BF764034, BE792565, AA449997, AA314891, BE156170, BG028665, AW151541, AW973992, BF821009, AL096703, AC007388, AC009953, AC022201, AL121578, U91322, AC005535, Z99128, AF111168, AL358777, AC005538, AC005666, AC012442, AC005971, AP001725, AC006544, AP000782, AC007786, AL139339, AJ011930, AL157789, AL133246, AC004531, AF117829, AC020550, AC008929, AC018832, AP001724, AC016995, AL117382, AC007051, AL023284, AC007537, AL355530, Z97832, AC008044, AC010422, AC005822, AC004000, AC005261, AC023510, AC008155, AL136979, Z99716, AL132639, AC005969, AC004551, AC005993, AL391724, AC074331, AL133249, AL023575, AL117340, AL158198, AL163201, AC005345, AC007387, AC083863, AL121983, AC023472, U96629, AC055736, AL049778, AC007919, AL159980, AL109840, AL022400, AC010102, AL031685, AL136000, AP000362,

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HNHDX28	1723	608145	1 - 436	15 - 450	AK025276, AF239710, AC006454, AC006454, and AC006454.
HNHDZ06	1724	569774	1 - 1361	15 - 1375	AC068997, and AC026627.
HNHDZ42	1725	608299	1 - 314	15 - 328	Z57448, and Z59872.
HNHEF37	1726	825295	1 - 635	15 - 649	
HNHEF49	1727	668256	1 - 1507	15 - 1521	AF215849.
HNHEF70	1728	610115	1 - 639	15 - 653	H92015, AI623720, AW500029, AA631507, AL041690, AI859946, AI708009, AU152561, AW970848, AV763540, AW062724, AW271904, BG058664, AW965237,

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HNHEG30	1729	638122	1 - 673	15 - 687	AL157711, and AL157711.
HNHEH38	1730	638123	1 - 534	15 - 548	AL121829, AL353658, AL353658, AL353658, AL121829, AL121829, and AL121829.
HNHEL22	1731	607421	1 - 858	15 - 872	AU137331, AU121685, AU138077, BF988460, AU139967, T58427, AL119408, AA504903, AU137242, AW962189, AA340679, AA315992, AA633828, T03154, BF195071, AW573057, AA912725, AA640504, AW974914, AA311088, AA668484, AI057355, AC005273, AL157384, AL080275, AC008243, AL121999, AC019187, AC022143, Y15155, L11910, AL049743, Z84720, AC007279, Z68280, AL139123, AL096710, AC005859, AC003658, U69730, AL023875, AL031274, AL356865, AC003986, AP001671, AL135879, AL121790, AC002449, AC016572, U82828, AL109761, AB042031, AL356438, AP002529, AC011299, Z82899, AC020603, AC004389, AL356967, AL109764, AL121582, AC007392, AL359641, AK002154, AL008987, AL445466, AC010176, AK022243, AC012472, U80459, AC005823, AC008277, AK002104, AL133472, AK023417, AL359833, AL353804, AC008664, AC006356, AC009405, AL034347, AC007748, AC010283, AC000378, AL121717, AL049710, AC005064, AC005014, AC004948, AL135926, AL445589, AL391666, AL121916, AL354685, AC010282, AL109920, Z70274, AL110505, AL357141, AL031663, AC004470, AC004037, AL022146, AC024576, AC008394, AL359457, AL136363, AC023128, AC007243, AP001331, AL109853, AL139192, AL078588, AC006203, AL009176, AC005230, AP001669, AL121984, AF088219, AL132777, AF044083, AL445306, AC002080, AC006120, AC007037, AL136307, AL023495, AL021068, AC004677, AK002066, AC005588, AL158064, Z82194, AC004613, AL354653, AC016751, AL365440, AB045359, AC010132, AL121782, AC004535, AP002532, AL136970, AL136164, AL354977, AC010977, AL158050, AL158841, AC000055, AP000457, AC005739,

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HNHEN70	1732	854712	1 - 1768	15 - 1782	AL132719.
HNHEP21	1733	609903	1 - 688	15 - 702	U51000, AC023925, and AC023925.
HNHEP41	1734	638124	1 - 903	15 - 917	AI866580, AI689198, BE906142, N67313, F02342, AA491423, AI310787, AA578621, AI679045, AW188742, AA297682, AI243793, H91062, AA729253, AW798093, AA126814, T05118, AA528462, AA077637, AI560085, AI890799, AI889995, AW672927, AW007980, AW149288, AW467607, AL050335, AF001549, AC005632, AL356057, AC008623, AC002395, AC009516, AC005291, AC009247, AL022318, AC004166, AC005052, AC022148, AL133174, AP001725, AC018644, AC016602, AC008753, U47924, AC011470, AC005088, AC018751, AC016898, AP001716, AL020997, AC004983, AF134726, Z95116, AC005668, AL354720, AL132777, AC027279, AC004813, AC004797, AP001718, AP001712, AC005736, AC004686, AC004804, AL121952, AC005695, AL136179, AC009087, AC006160, AP001726, AL035406, AL035404, AC005829, AC006449, AC018720, AL158040, AL031685, AP001717, AC002365, AC004965, AC008372, AC011465, AL133153, AC005619, AC004552, AC016995, AP001745, AC006055, AC005881, AF243527, AP000295, AC011742, AL137073, AL354872, AL022324, AC007405, AC011500, AL023653, AC002543, AL132713, AL109804, AC004859, AC023490, Y10196, AP000133, AP000211, AC016637, U80017, AC005280, AJ277546, AJ009616, AP000556, AC005067, AL031681, AP000112, AC007225, AC006475, AB020864, AF195953, AL049843, AL137012, AC008736, AP001670, AP001711, AC018764, AC005255, AC018738, AL160175, AC005015, AP000692, AL353802, AC004938, AL136984, AL391259, AL137230, AC008392, AP001714, AC005725, AL355499, AC011529, AC024082, AC004076, AC002470, AC004655, AC004905, AL133454, AL022320, AC019226, U91326, AC006006, AL158823, AC006121, AC008812, AC011495, AF053356, AC004638, AC005670, AC018641, AC004817, AL121890, AL049569, AC005098, AC002425, AL136137, AP000501, AC005696, AC010505, AL161757, AL096701, AC004492, AC009238, AC002404, AP000104, AC005237, AL035455, AC004383, AL163279, AL133163, AC004020, AC007308, AC005005, AP001752, AC004089, AC009116, AC008085, AC006450, AL135978, AF196970, AF235097,

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HNHES33	1735	847418	1 - 1246	15 - 1260	AL158049, AL158049, AL158049, and AL158049.
HNHET16	1736	609904	1 - 845	15 - 859	AC025793, AC025793, AC069129, AL358193, and AL358193.
HNHEY29	1737	569772	1 - 1502	15 - 1516	BE047249, AC006482, AC006333, AC006482, and AC006482.
HNHEZ76	1738	618544	1 - 494	15 - 508	AW880738, AW880685, AA322240, AA088902, AW901478, AW855730, BF528092, H90844, AI371515, AW855736, BE145442, AA601129, AW855799, AA680252, BE880736, BF847937, BF725761, AA491960, AC006337, Z85987, AC005015, AP001688, AL391684, AC003049, AC073898, AC007850, AL049541, AC008543, AC004000, U52112, AC010170, AC006115, AC004605, AC007690, AC011890, AC024084, AL050335, AF064861, AL138976, AC024082, AL022336, Z97054, AC026431, AC005000, AL136088, AC008392, AC006226, AL049699, AP001712, AC004125, AC011464, AL163279, AL034372, AC002302, AP000952, AC020626, U91323, AF168787, AL023575, AC005070, AE000658, AC006948, AL109754, U85195, AC004458, Z83826, AC069539, AC012156, AC004166, AC016395, AP001726, AC005736, AP001670, AC005944, AC020552, AC002492, AL031228, AL133173, AC010605, AC004408, AC005799, AC003070, AC007919, AC005921, AC010267, AL109843, U82668, AC005620, AC008760, AB034980, AL122014, AC012081, AP001710, AC005052, AC006120, AL034384, U66059, AL353734, AC007221, AC005740, AC005730, AL050307, Z95114, AL133549, AL162458, AP000208, AL352976, U91321, AC016673, AL136087, Z99570, AL354680, AL136137, AC003684, AC006480, AL117336, AC005875, AC023796, AC011666, AD000091, AC003969, AL163248, AC010412, AL049537, and AL163284.
HNHFF60	1739	612778	1 - 297	15 - 311	
HNHFF81	1740	732075	1 - 1324	15 - 1338	AI696595, AV738435, AV742072, AV741983, AA579152, AI446452, AI693979, AI051529, AW615504, N57739, AA002063, BF843614, AA635368, AW470006, AA088727, AI133566, AA078337, AI343204, BE146615, AW129460, BF185578, BF527070, BE041913, AA084766, AL022721, AC011479, AL109843, AC006334, AL157818, AC008372, AL445483, AL096712, AF243527, AF196779, AC073316, AC008745, AL390374,

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HNHFJ49	1741	810955	1 - 1722	15 - 1736	AL049773.
HNHFR42	1742	638127	1 - 508	15 - 522	AA484176, AI039584, BE252421, BE179557, AA191659, BF893595, AL042853, AV736964, AA747070, AW866226, AV762645, AA019312, BF896459, AA715805, AV704740, AV701613, AV701844, AW591487, BF674620, AW749888, R44116, BF681427, AI268334, AI268336, AA834707, AW853857, AW749877, AA484373, AA513521, BF874758, AV713243, AW007450, AA303007, AA758366, AA568494, AV759293, AV763538, BG011095, AW566004, AW865946, AI361900, AA127426, AI110595, AC011475, AL118508, AL096775, AC020908, AC006362, AC006600, AF003626, AC009277, AL031228, AL035460, AC021016, AC006329, AC008018, AC004797, AC005940, AL031003, AL034420, AL118501, AL158815, Z97054, AC011490, AL121601, AL160071, Z97053, AC024247, AC004885, AL117380, AC005020, AC005829, AL031296, AL109933, AL035398, AL157413, AP001628, AF064866, A26236, L04965, AB031005, AC025447, Z98941, AC005837, AK024143, AC007637, AL022165, AC020906, AC005080, AL117334, AL022320, U47924, AC005529, AC006963, AC004931, AP000254, AL023693, AL163249, AC005694, AC005517, AL136105, AL049870, AF165124, L34079, AC008562, AL163283, AP001747, AL121920, AC008812, AL009181, AL133453, AL121888, AP001690, AC004525, AL034429, AC005913, Z93017, AC004087, AC008626, AC009756, AC009060, AC006561, AL109825, AP000503, AL158040, AL160234, AC005545, AL357129, AL031779, U07562, AC005236, AL133458, AL121952, AP000088, AF134726, AL161916, AL109801, AC007365,

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HNHFX25	1743	580792	1 - 577	15 - 591	AC003108, and AC012621.
HNHGD95	1744	609905	1 - 596	15 - 610	AA469441, AA328289, AW968156, AW972888, AI821722, T09124, AI732162, AI821172, AA502813, AI792063, BE146613, BE146622, AA572983, AA525409, BE392609, AU119400, AU119141, AA736713, AL120694, BF676104, AA598663, AW970987, AI636734, BF346320, AI798242, BF345228, BE677425, BF345114, BE395693, AV695478, AA834799, BE537881, AA525174, AI824589, BF129921, BF747666, AA502536, AA569179, AA482323, AA364869, AL041895, BF340987, AW008212, BF764092, BF869362, AA621838, BF871505, AI567106, AV719084, AV763603, BE869668, BF982222, AA608741, R22772, BF340209, AA169768, Z84480, AC009228, Z83844, AC007597, AC006388, AL135839, AL021546, AL133448, AC025594, AC005098, AC004694, AC002470, AC007308, AL133245, AC004166, AF109907, AC004030, AC002369, AC010463, AC005803, AC004815, AX039602, AL035704, AL049760, AL138759, AL353193, AC004846, AC009475, AL121586, AC011490, AC005871, AC007384, AL031685, AC008745, AC004967, AL096774, AF031078, AL157951, AF030876, X55448, AC018712, AC004073, AL159168, AL118502, AL121920, AL022476, Z97184, AC004887, AC005089, AL355871, Z93015, AC007883, Z84486, AC007057, AL049872, AC003070, AC005200, AL031651, Z93020, AC005080, AC008521, AC004965, AL122023, AL133294, AC004760, AC008569, AF053356, AC007917, AL136170, AC020954, AL132775, AC005972, AC004685, AL354864, L44140, AC005052, AC005841, AL096700, AL391384, AC008267, AL353748, AC005081, AC011462, AL121926, AC026805,

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HNHGR82	1745	617117	1 - 681	15 - 695	<p>AA664126, AW572721, AA598627, BF588859, AA135988, AW082076, AA526099, AU147414, BE077105, AW341955, AC021036, J00089, AL109802, AL109976, AC004983, AP000354, AC007136, AC006011, AC004975, AC003982, AC004477, AP001715, AC008745, AL096678, AL163279, AF215937, AC002350, AC020663, AL121585, AK022226, L48038, AC005295, AC010271, AC008569, AC008277, Z97054, AL139095, AC020934, AL445248,</p>

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HNHGS62	1746	609907	1 - 554	15 - 568	AW015939, AC024262, and AC024262.
HNHGY77	1747	638128	1 - 454	15 - 468	AA371841, AI903128, BF344681, BE387818, BF037604, BF570012, AA128321, AL519813, AA446402, BF569983, BE378482, BE243017, BE614753, AI911142, AA128078, BE547690, W72263, BE882202, W45377, R58160, AA315859, BF569513, AI130681, BE277650, AI805319, AI197957, BG060098, BE615908, BE531062, W76480, AW439254, BF311144, BF223400, BF569643, AI276003, W57896, AA622624, AI682257, BE348974, AI190542, AW006128, AA557401, AW274175, AI143567, AI031827, AI798043, AI271921, BF311591, AI862624, AA885331, AA635631, AI086401, AA542957, AA812275, AF190465, AF190465, AF190465, AC011498, and AC011498.
HNHHA47	1748	658743	1 - 1124	15 - 1138	AI761346, AI492231, AA468795, BF062508, AI380732, AI799909, BF221994, AI421064, BF594323, AA469401, Z98884, AC004967, AL158828, AB023048, AC006390, AP000509, AL357519, AL353812, AC020908, AC008537, AC002996, AL049776, AP000949, AL022147, AL138976, AL096712, and AC005746.
HNHHN22	1749	855956	1 - 884	15 - 898	AC019243.
HNHHW53	1750	604903	1 - 750	15 - 764	AP001944, and AC018575.
HNHIB40	1751	533057	1 - 403	15 - 417	
HNHK174	1752	777856	1 - 803	15 - 817	AV728309, AV707794, AV706891, AV725423, AV704740, AV709273, AV702172, AV701844, AV734690, AV683012, AV705525, AV734974, AV703460, AV702625, AV702760,

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HNHKV56	1753	800877	1 - 1639	15 - 1653	H86448, AC009396, and AC009396.
HNHLD80	1754	839255	1 - 699	15 - 713	AW958962, AV763026, AV763058, AI635028, AW272294, AA225406, AI312309, AI801505, AI870453, AI923451, AI587467, AW575729, AV711465, AC005180, AL031276, AC004478, AC004980, AP000558, AC005821, AC005581, Z82976, AL049776, AF207550, AF217971, AC006343, AL133453, AC011449, AC006483, AL031680, AC004491, M37468, AL049539, AL034379, AC005522, AL023575, AC018758, AC005933, AC011895, AC005229,

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HNHLS76	1755	853372	1 - 304	15 - 318	AA055727, BE241407, BF347992, BE869003, AF132033, U80742, D83783, AF117755, and AF071309.
HNHLZ47	1756	838255	1 - 1846	15 - 1860	AC016874.
HNHMP15	1757	836065	1 - 1106	15 - 1120	AL163301, AL133499, AJ239326, AJ239326, AL133499, and AL133499.
HNHMP62	1758	834974	1 - 1054	15 - 1068	AL356280, and AL356280.
HNHMY76	1759	838256	1 - 1258	15 - 1272	AA406499, H73550, AI369580, AI206841, AW963444, AA523695, AA825827, AW023111, AW268954, AI826761, AI189682, AL079734, AI349817, AI923052, AW502237, AI821931, AI754170, AW069227, AA441810, AU144320, AW275971, AW069412, AI345827, AA502532, T74524, AA502991, AI634187, BG222580, AI912401, AA084609, AI254779, AV759632, AW968188, BE301584, BG059972, BF817546, AW117740, AV738383, BF673854, AA714110, AI355007, AI342183, AI275982, AW188427, AI859438, H04977, AA609834, BF857849, H07953, AU157093, BG180976, AI961983, BE138594, AI417469, AA483606, AA579427, AW887007, AI280678, BF920612, AW627747, AI457313, AL046519, AW504820, AI335995, AA284247, AA570740, AI499954, AA805044, AW500684, BE928094, AW861583,

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HNHMZ01	1760	836066	1 - 522	15 - 536	AL360269, and AL356323.
HNHND14	1761	836067	1 - 379	15 - 393	AC073527, AC073527, and AC073862.
HNHND94	1762	840374	1 - 674	15 - 688	AC004520, AL359496, AL359496, and AL359496.
HNHOF09	1763	838264	1 - 1416	15 - 1430	AC015909, AC015909, AC073970, and AC073970.
HNKAA76	1764	802009	1 - 1789	15 - 1803	BG178169, BG107935, BE909061, AA421156, AW263208, BE742898, BF205108, AI860213, AW438684, AA427665, AW467358, AA397954, AW778811, AV740176, BE793662, AW675564, BG167807, BF205706, AI348480, AW068454, AI129055, AI403113, BE408797, BF307828, AW004828, AW070768, R42232, AW769032, AI800035, AV734233, AW081957, AV733932, AI695650, AI520752, AI206299, AA935849, AA204944, AW769340, AW248645, AW263189, AI656757, BF980634, AW769555, AA342016, AA035137, AA576268, AA293754, BG035960, BE902466, AA361461, AW573223, AL039150, AL038837, AL039074, AW135932, AL039564, AL039108, AL039156, AL039659, AL037051, AL036725, AL039625, AL039648, AL039629, AL039678, AL039109, AL038531, AL039128, BF737443, AL045337, AL040992, AL037726, AL042909, AL039423, AL044530, AL039410, AL045353, AL036973, AL044407, AL039538, AL039386, AL039085, AL039924, AL037526, AL038821, AA330688, AA503645, BG171519, AL036196, AL037639, AW973200, AL039566, AL043445, AI917771, AV717991, AV717941, AA342017, AL039509, AL036767, AL038025, AV717985, AL036418, AV717948, AL043422, AW975143, AW976625, T24119, AL045341, AV743654, AV746102, AV717978, AV745917, T24112, AV745724,

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HNTAF42	1765	824082	1 - 1135	15 - 1149	<p>AI278383, AA455528, AA341987, AA923485, BF989699, AI420519, BF905769, AI369496, R92060, AA341988, BG033044, AV716506, BG110768, AV695478, AV716708, AA715814, AI380617, AV763026, AV763058, BF808097, BE742024, BF815274, BE908214, BE062476, AV757289, AW804959, AA535216, BE062478, AA526099, AA349193, T57767, AW674277, AW575012, AA654874, AA773463, AI634187, AW341978, AW972271, AW063362, AI205181, AW069227, AW576374,</p>

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HNTCG32	1766	897776	1 - 2739	15 - 2753	AW368451, BE222668, BF057062, BF059422, BF943652, AA417890, AA099385, AW236145, AW471449, AI276742, AA099386, AI766890, W07168, N78573, AA001874, W79183, AA436249, AW292407, AA482460, AA055463, AI266170, W74429, BF476100, AI167320, AI252807, AA029791, N93113, AA055462, AA411303, AW003037, AA404452, AI536067, AW296497, H25100, AW236004, AA001796, AA029790, BE145192, W38789, AA831374, H24895, BE833432, R81403, R81402, AA993005, AA378020, AW235742, AI078078, and N58979.
HNTNY89	1767	886188	1 - 1233	15 - 1247	BE867020, AI478611, AI796551, AI493335, AW135035, AI763397, AI205153, AW452868, AW024931, AI770003, AI860167, AW300835, AW236836, AI039293, AA312699, AI033837, BF196530, AI587364, AI700805, AI364782, AI631435, BE047902, AW516669, AA741034, AA461101, AA310989, AA449433, AI671731, BE464413, AI373338, AA448924, AI247252, AI621029, AI989810, AI478533, AA461416, BF092110, BE766623, AK000413, AL121845, AL353715, AL353715, AL353715, AL158091, AL158091, AL158091, AL121845, AL121845, and AL121845.
HNTRB25	1768	600367	1 - 1140	15 - 1154	AW469571, AA397620, AA778530, AI378267, AW612321, AI655396, AI913256, N63019, BE221995, AW299372, AI971435, AI927061, AA873536, AI083780, AA435738, AW136543, AW206785, AC007461, AC007461, and AC007461.
HNTRQ40	1769	809100	1 - 4010	15 - 4024	BE791563, BE795352, BE616869, BG030723, BG177061, BG178407, AW976848, BG170104, BG180170, BF243343, AL520086, AI243124, BF375682, AI192302, BF593748, AW964101, AU129390, AW452530, R93752,

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HNTSQ23	1770	645176	1 - 2273	15 - 2287	BE540193, AV718254, BF968210, AV723483, BF696460, BG254591, AV730849, AV705265, AV732813, BE892073, BF243415, AW964077, BE789071, AA452368, BG120523, AI741017, AI741227, AI806660, AA476671, AI459104, AI341345, AA446625, AW043854, AI982626, BE972497, AW298800, AW452121, AA724961, AW166028, AI361526, BE268188, AA931158, AA452141, AA974487, AA007196, D53937, D81263, D52496, AI341984, N99604, AI193667, R52712, AV746992, Z43937, AI492961, N94800, Z39997, N92658, AA337669, AI221919, T32870, F04002, T23551, AA348780, R52664, Z45095, AI472655, AI934175, AW089291, N50483, AA334469, AI423737, D81144, N50428, BF377223, W07321, D60665, AI559394, BF679525, Z19967, AA019671, AI927233, AI567971, AI371243, AW827289, AI285439, AI285419, AI436429, BG029667, AI433157, AI648567, AI610557, AI690946, AI554821, BG252929, AW151136, BF911517, AI539771, BE897632, AI873638, AI432644, AI582932, AI537677, AI494201, BF812963, AI500659, BE883591, AI866465, AI567953, AL514623, AI815232, AI801325, AI500523, AI538850, AI887775, AI923989, AI590043, AI872423, AI284517, AI500706, AI445237, AI491776, AI289791, BF811804, AW151138, AI521560, AI889189, AI500662, AI539800, AI582912, AI284509, AW172723, AI538885, AI440263, AI889168, AI866573, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI500714, AI284513, AI888118, AI859991, AI355779, AI623736, AI889147, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AI866786, AI860003, AI431316, AI242736, AI828574, AI887499, AW151979, AI539781, AI867068, AI702065, AI539707, AI885949, AW089557, AI559957, AI521571, AI469775, BF811802, AI866581, AI815150, AI446495, AI561170, AW858243, AI432570, AL514357, BF970700, BG113493, AL513865, BF970652, AI888575, AL514085, AI866461, BE885490, AI699011, AI434255, BG110517, AL514415, AL045500, AI866820, BE886728, BF725463, AL042595, AL042981, AI890907, BE895765, AL039390, AW827285, BF815930, AI804505, AW089006, BF812438, AI371251, AI866510, AL515373, AI621341, BF338002, BG027628, AI923046, AI538881, AL047422, AI366900, BG257535, AI539260, AL048403, BF911521, BF795712, AI828583, BF971261, AI355277, AI225248, AI886055, AI274759, BF814072, AI358590, BE537531, AI433976, AL042865, AL042944, AL042365, BF924884, BG029053, AV716091, BF925370,

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HOAAH51	1771	855961	1 - 741	15 - 755	AW967052, R20625, AW964593, BG057179, AI358724, BE677220, AA354153, AW149151, AI923300, T58044, AA559025, AA317256, R49837, AA903571, AI701211, AI963762, AW502185, BE677425, T58110, AI241976, BG118981, AA769056, AA244267, AL133642, AC020917, AL021917, AC008733, AC004845, AC008950, AL135927, AC007227, AC016602, AL033529, AC004590, AC009194, AC008569, U52112, AC011491, AL079339, Z93015, AL121890, AL133396, AL138752, AL121852, AC003077, AC011495, AL139353, AC006146, AP000702, AL117258, AC008747, AC005103, AC004152, AC008812, AC027319, AC004491, AC007383, AC007376, AL049691, AC004678, Z84474, AC004134, AC002045, M31951, AC002563, AC005295, AF200923, U07562, AL356801, AC007542, AC008635, AL137020, AC020904, AC005356, AL133214, AC000353, AC002116, AC010311, AL008710, AC012076, AC005089, AC005010, AL008732, AC022154, AC004878, AL034402, AF001548, AC008738, U93305, Z68162, AL118520, AC005163, AC002400, AP001716, AC004383, AL355984, AC020908, AF240580, AC002477, AP001720, AK024465, AC005932, AC019227, AC008267, AC074203, AC005480, AL035458, AC020916, AL133523, and AL133523.
HOAAI76	1772	824073	1 - 508	15 - 522	BG164682, AA613523, AI672909, AI140969, AI306566, AA983655, M78704, N49846, AA931391, AI000642, AA535512, H23007, AA515425, F26741, AA584307, AA535318, AA827513, T06955, N75355, AA593100, AW450188, AW298213, AW028876, R45158, AI913186, AI560219, AW055312, AI183511, AW028845, AI355796, AI244723, AI273521, AI124640, BG179815, AI184425, AI264550, BE042416, AI476538, BE872057, F36473, AI222569, AL040581, BG235995, AI569350, AW302561, AA630976, AI568506, AI191283, AA973746, AI811487, AI198764, AI440423, BE047248, AI186837, AW151093, AA593323, BE535641, BF111023, AI623827, AI828737, AW089043, AI824417, BF742985, AL133098, and AF147709.
HOAAJ09	1773	654862	1 - 773	15 - 787	AW468091, AW962942, AW268277, AI859834, AL039187, AW975164, AI053445, AW613805, AU147922, AW021774,

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HOAAL10	1774	566867	1 - 1227	15 - 1241	AV754364, AI826761, Z92542, AF046147, AF001549, AC008733, AL031728, AC002350, AC011510, AC020913, AL022322, AL008583, AL109623, AC008649, AC007685, AL121905, AC009194, AC007546, AC004859, AC004605, AC008569, AC006111, AL035587, AF207550, AL009172, AC011462, AL133153, AC011331, AF109907, AC004890, AF196969, AC006101, AC009244, AL049636, AL354816, AL096791, AL121601, AL022316, AL080243, AL365444, AC007272, AC025593, AC006449, AC005696, AC018758, AL022163, AP001716, AC002369, AL035458, AC005098, AC024075, AC005531, AC009087, AC004148,

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HOAAU13	1775	634732	1 - 1079	15 - 1093	BE048645, AI824118, AW444560, AI678672, BF207478, AI673800, AC018712, AC019146, and AC019146.
HOABC12	1776	801922	1 - 539	15 - 553	BG120338, AI590865, AI653491, AW247119, AI499728, AI377953, AI685103, AI890766, AI334091, BE885944, AI536781, BE302380, BF792656, AI263364, AA633816, AI494262, BF808449, BG222452, AA661847, BG056781, AI198799, H18591, T79868, BE884493, T85179, BE267061, AA632841, AA774155, BF526335, BG115522, T84295, R45430, T90560, AA455393, AA632685, AA630051, AI758756, AA306248, T83097, BF338070, R15808, BF111658, AA661752, AA603948, AA927504, AW246336, AI160553, BF983405, AI916664, H18592, AA456032, BE733351, AI093621, AW087863, BG256219, AI656270, AV746955, AI886594, AI499913, BG168455, AI452993, BG167294, AI570966, AA641644, AA769102, AI805688, AL514647, AI348777, AI335426, AA455772, AI345688, AI241792, AI554343, AI912474, AW082532, AI537617, BG169738, AI677797, AF147768, AW191959, AI635528, AV757987, AI648699, BF811808, AI473451, BG122101, R20540, AI289791, AW020592, AV704696, AV746964, AW022494, AW020288, AA555145, BF925370, AW366372, AI863002, AW022542, AI824357, AI523771, AW168700, BG164558, AW265004, AI249877, AW194014, AV655250, AI225000, BE966699, AI801257, AI252077, AW188507, AI273856, AI370623, AW055252, BE385624, AI336575, AI345677, AI564259, AI608970, AA814451, BE263346, AI699154, AA731711, BG179295, AI689614, AI569294, AI590755, AW190297, AI963062, AW274192, AW090768, BF572734, BE974031, AI660432, AL043288, AI799650, AW827289, BE620438, BG110134, AI251485, AA853033, AW051898, AW088882, AI499623, AL036150, AV721366, AA464646, BG253683, AI401699, AA911767, BG036808, BG250475, AW169056, BF726255, AW020144, AW900453, AW301344, AW813715, AI251221, AI348901, BE439844, BE172499, AI338060, BE876097, AV742848, BG105107, AI524233, AI284060, AW151817, AI285586, BF971226, AI620864, AI915443, AI345471, BE886790, AI050666, AI866469,

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HOABH36	1777	740758	1 - 1489	15 - 1503	AL527124, AL523845, BE274949, AW006988, BE620912, BF965010, BE620514, BF794902, AW338932, BF663214, BE275670, AW008382, BE856718, AL079408, BE392373, AI874349, AW083015, AA614335, BE046199, AI589544, AL524949, AW960928, AL523846, BF204114, AW044656, AW051578, AA158521, BE965177, AA085964, AU154560, AA085963, AW971141, AI207818, BF439374, BE616159, AW385571, AA461204, AA515301, AA515282, AI041904, W68060, AA663320, AA196209, AA722811, BF305039, AA648710, BF127822, AA446010, W68061, AA669189, AW771819, AA827373, AA721087, AW057791, AA776975, AA483819, AJ003434, AW770886, AA747858, AI033403, BG057038, AA515376, AI476479, AA804954, W23025, AW971016, AA503409, AI207332, BF306614, BF941158, AA873227, AA527756, BE729596, AW411102, AA251599, BF305611, AW006785, AA446285, BE019305, H55820, AJ003435, AA039862, BF923066, AW373570, AW373565, BF835996, AW500819, AA659734, AI913764, BF310949, H55821, AI687381, AA721069, BE408270, AI225198, AW072762, BF933102, AI936962, AI016596, BF205745, BE409669, AA502296, BE727387, BE019070, BE205931, BE408291, AA631285, BE207823, AI446697, AW361372, BE925487, AJ003256, AA251545, BF767233, BF767240, AI858144, T78908, AJ003366, BE019264, BE387130, BE298634, AA493104, AA040227, BE277378, H10286, C00395, AW411101, AU127111, AW161342, AW163340,

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HOBNA89	1778	604999	1 - 591	15 - 605	AW082258, AI243425, AI289258, AI424820, AI241137, AA043784, AW297127, AV723960, AV724429, AV722464, AI078781, AV722774, AV722890, AV724070, AV721760, AA813649, AV720980, AV722408, AI926345, AI272825, W94926, AA016235, AA868884, AC016634, and AC008872.
HOBNF51	1779	580861	1 - 1142	15 - 1156	AU125561, AU119563, AU117906, AU119159, AU123428, AU124642, AU123502, AU127645, BG250355, AU132436, AA910347, BG121805, AI354454, AL044355, BE562062, BG035743, AA126634, BG118333, BF216559, BF671344, AA682413, AA884533, AI168706, BF794387, AW732186, AI393073, AV716789, BE613650, AU154325, AI590158, BE176665, AW069775, BE176608, AW068847, AI378216, BF680565, AU133704, AW954878, AU127098, AA836774, AA448479, AW606737, AA432031, AA040825, BF984867, BE782661, AW607677, AI091908, H29071, AU150248, AI093237, AA130445, AI033056, BE268060, AW606655, AI279754, BE561835, AI672026, AI266548, AI129868, AW022800, AA125876, BE159354, AW474014, BF439547, BE159580, AA919053, AA773854, N42306, AA149223, BF570503, AU117703, AA180112, AA195581, W86324, AI282421, AA125877, AW606649, AA417120, AA112644, AA662557, BF799251, BE670502, AW606657, BF244788, W03230, N69555, AA610062, AI767151, AA149224, AA826632, R06779, AA004784, BE545338, AA187386, AA629962, BG113510, W60445, BF570735, BF350918, BE159658, AA417261, BE159411, AA371054, AA411959, H10013, AA361276, AA365127, R58885, W16853, BG111197, AA281288, BE256112, AI201501, AA040031, R11819, AA328642, AW606683, N94046, AA112703, AI473906, AW197358, AW362736, AA384057, AW606736, AW504946, AA317033, T92819, W16948, AA844645, R14964, AI468500, BF671293, BE832110, R16461, R18480, BE244162, BF243675, AW293228, D31395, AI942319, BE870063, AI589600, AI093236, AA648189, AI870398, AW965430, R47929, T11236, R48037, H12249, BE159587, BE159361,

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HODAH24	1780	656887	1 - 1343	15 - 1357	AA491617, AV710847, AC073071, AF038458, AL353701, AL049796, AC008752, AC008403, AC005071, AC003037, AL356057, U91323, AC009079, AL050335, AF045555, AC006038, AL050349, AC007878, AC009247, AC005081, AL096814, AC009086, AC023510, AC016830, AC006449, AC007277, AC016027, AC010422, AL161670, AC005005, AL034554, AC005581, AC025588, AC011442, AC005988, AC016637, AP001716, AC004774, AC010170, AL137039, AL031657, AL450226, AC008687, AC004019, Z85986, AC007366, AC006483, AF001549, AL031680, U95742, AC011464,

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HODAH46	1781	862551	1 - 725	15 - 739	AL521425, AL537131, BE388115, BE314805, AL514620, BF311286, AL523210, AL536205, BE276916, BE387175, BE314640, BG258324, BE891149, BG115029, BE382803, C18348, AW958520, BE739244, BG031889, BE018452, BE782287, AW009827, BE548451, BG027266, BF338341, BF038307, AL525645, BE882636, BF345159, BE856127, BG119829, BF206870, AI401735, BE262392, BG122405, T75048, BF691744, BF206872, BE560984, BE261658, BF530602, BE536344, AA223353, BF037516, BE297709, BE780354, AA378194, BE560800, BF305409, AI869008, BG167097, F12777, W24549, BE560620, BE268774, BF206512, BE797143, BE292960, N76421, BG104568, AA173203, BE244145, AA410555, AW630217, BF965558, Z45387, AW955061, BF002936, AI335903, AW403313, BF966086, AI446066, R90786, AA908840, AA181539, AA662396, AI335913, AA179479, AA954134, W55866, H17798, AA179499, AA353090, AI129126, AI886296, AW504130, AW500701, AA432165, AW152147, AA075982, AA772547, AI204217, AW957316, AA773350, BF182863, AI033718, AA132222, AI865592, AI344539, AA488677, T35233, AI686436, C05984, AI812055, AW470483, AW769729, AA993465, AA659926, AI734975, AI707603, AA218703, N66896, AA065153, AW337848, AI752953, AI360597, N26929, AA936677, AA053244, AI951958, AI473660, AA902604, AA149683, AW572391, AW130750, AI251833, AW771692, AI126020, AW195155, AI624447, AA033717, AW008402, AI926647, AW768510, BF116012, AI719955, AA088454, AA347942, AA865804, AA434312, AA886600, AI475396, AI569018, AI640660, AI814805, AI625597, AW513780, AW262815, W52027, AA300092, T10819, AL041684, AA259008, H68648, AW504831, AA431146, Z46220, AA714913, AA714983, AW878076, AA325863, BE243900, BF920081, AA648063, R34417, H69557, R87593, AA405603, BE560215, AL036822, AA224282, AW408419, F11343,

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HODAV25	1782	787471	1 - 977	15 - 991	BE379819, BG163847, AI708331, BG255971, BE379763, BE221864, AW236976, AI636651, AI632211, W95200, AA977805, N70520, AW607913, R89711, BG180736, BF057757, BE465911, R69668, R78866, AI830640, AI908967, AI917052, AA973755, Z44424, R69720, AW242793, AI133312, AI421045, R35687, AI309596, BG025898, AW629295, AI640631, AW873012, AI628462, AI244713, BF434904, AI823402, AI654060, AI762897, AI823499, AI368203, AW974039, AI382348, AA476368, D25637, AI890305, AV748868, AI660375, AI763046, AA903049, BG230514, AW235678, AI343653, AW572490, AI140711, AI031776, N40956, AW190081, AI471871, BF591884, AA580192, T25351, AA092339, AI337062, N46814, AI378741, AW572340, BF914019, AI375054, W94765, AI265874, H12792, AI280506, R82272, AI220703, BF754811, BF916065, AV748835, AI954361, AW592213, R49323, AA971824, AF118084, and Z75746.
HODAW64	1783	840069	1 - 3273	15 - 3287	AL528733, AU131191, AU119683, AL528732, AU134834, AU138331, AU141757, AA651757, BF669756, BF965779, AA496857, BF575670, BE895149, AI695017, H27268, BF086999, BF477941, H45540, N24348, AA470902, AW294850, BE931497, AA187572, W84736, H45548, AA912052, N44922, W40361, N79961, AW984317, BF089298, AW631288, BE931732, W84762, BF807950, R62185, W39447, AA459720, AA349524, BF803362, BF002052, H30352, AA099538, BF086442, AI921798, Z43558, BF083950, BE502499, AA323950, F07291, AA083629, AI767467, AW984306, R73464, AI640353, AA365588, AI954699, N45701, R34557, AA928641, W45009, BF993738, AA628088, BF798307, R55728, AA082063, N83839, F29871, BG149178, H64695, T63890, W72659, AA320558, AI810681, AU135151, H00490, AU152480, AW003947, AW516937, C03907, AA248793, BF934453, AW073826, AI810416, AU152981, AU159239, N50614, AI828389, AU157587, AW953121, AU145962, AI580952, AW003189, BF748715, AI313461, AI651050, AA864471, AI125878, BF085848, AA096344, AW293730, W07221, AA182773, BF574166,

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HODAY17	1784	806341	1 - 2607	15 - 2621	AL527014, AU118345, BE742611, AU118363, BE742293, BE515247, BE271215, BE315413, BF970244, BF340708, BF342502, BE612861, BG117374, AL527058, BE392474, BE390366, BE561702, BE390695, AL040934, BE391180, BE963066, BE885417, AU118485, BF975756, AW953651, BG178468, BE390873, BE693958, AI354583, BE395783, BE552037, BE389238, AA102590, N78326, BE512886, AU144932, BE884486, BE389499, AU144433, N57854, BE559667, BF995149, AI097401, BE390685, BE001605, AW572297, AI913174, AW029577, AU144948, BE269669, AU145034, AA432194, AI811104, BE927049, AW026450, AI955210, AA676743, AW173719, AI126189, AI246619, AI923908, AI912350, AI573143, BE328437, W72822, AA632265, N62095, BE693959, BG230654, BF755714, BE262612, W72821, BE350226, AA482202, BE276977, AW262961, BE747439, AI439590, AW338014, BF314335, BF951835, BF035080, AW342043, AW080405, AA159091, BF772398, H28893, AA809373, H24394,

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HODBA45	1785	601517	1 - 731	15 - 745	AA055393, and AC005592.
HODBC79	1786	566781	1 - 917	15 - 931	AC022272.
HODBD79	1787	638131	1 - 621	15 - 635	BG179764, AW027258, N20929, AA164413, AA659823, AA682908, AI087872, AW189300, AI274461, BE698004, AI698680, AA837251, BE928314, BF084053, BF084058, BF084091, AI868843, BE928288, BE928267, BE379643, D60700, D60698, BF789965, D59905, D61873, D62009, BG259139, BF084092, AA682745, AK023547, AC011468, and AC011468.
HODBF12	1788	584792	1 - 1173	15 - 1187	AW956293, AI754084, AI479175, AI671715, AI473717, BE550522, AW301291, AI033729, AI334387, AI129060, AA029900, AW069053, AA029988, AI589367, AI273076, AW974801, AI479530, AW778744, AA652948, AA372575, AI753656, AL047903, AI753170, AI754575, AW514908, AW515008, AW058297, H92393, BE207838, AI129434, AW470136, AI625050, AI798882, AI580231, AI168672, AI042305, AA121315, AW292332, AI954124, AW043954, AA680007, AI375105, AI963489, AI866719, AI560068, AA581373, AI218456, AI283357, BE500970, AI656083, AW008479, AI961332, AI653116, AI991693, AA235805, AA853237, BE500977, BE048765, AA528009, BF475642, AI333061, AI637946, AI584017, AI972834, AW959786, AI264760, AI742665, AW168605, AI868538, AI040298, AI983827, AI453524, AW471297, AI378619, AW073921, AI805774, AW304987, R51309, AI432482, D61965,

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HODBF86	1789	605001	1 - 907	15 - 921	AV694711, AL049744, AL161735, AL161735, AL161735, AL049744, AL049744, AL049744, AC026056, AC026056, and AC026056.
HODBF91	1790	633731	1 - 946	15 - 960	BF977383, BE737926, BF665438, AW976333, AW864036, AU150334, AU151386, AA665450, AV656488, AU154447, AA993575, AI759975, R38619, AI525133, AI000473, BF246797, Z39211, F10411, AA490306, AW971823, BE738384, AW475012, BF854135, AF017445, AC018404, AC018404, AL354708, and AL354708.
HODBW34	1791	877655	1 - 855	15 - 869	AI916419, BF924869, AI635467, AI932966, AW079409, AI923370, AI862880, AI648684, AI251221, AW071417, AL036631, AI570807, BF970652, AI538342, AI345347, AW026882, BF812960, AI284131, BF812938, AI587606, AI266558, AW105601, AI955917, AI433157, AI702073, BE969709, AW169634, BF726198, BF812961, BE895585, AI570861, AI633125, AI698391, AI915291, AI925502, AI500061, AI889189, AW051088, AI862139, AI611738, AI590227, AI249962, AW130930, AI432040, AL038605, AW103878, AI440448, AW081036, AW983829, AI499285, AI683475, AL045500, AW188554, W74529, AI866573, BF814761, AI270099, AI288305, AI499986, BG036506, AW081255, AW073708, AI635067, AW169132, AI640704, AW073994, BF971016, AI500523, BE895047, AI697137, AI932794, BE964876, AI539780, AI828682, AI682798, BF856052, AW152182, BE965432, AI609409, BE965067, BE874133, AI340603, AI582932, AI866751, AI475377, AW118518, AI783504, BF854113, BF339322, AI468872, AI863321, AI686906, AI273094, AI698427, AL036980, AI698401, BG110370, AI538885, AI873644, AW151136, AI610645, AL079963, AI524671, AI620284, BE047852, AI445992, AI445990, AI274508, AI284084, AI591420, AI670009, AI866770, BE543089, BE963838, BE541445, BG036846, AI539771, BF766529, BF032768, AI866162, AW673679, AV734591, AI564259, BE789764, BF816042, AW673635, AI500662, AI637584, AW268122, AL037582, AL120307, AL037602, AI801325, AI696819, BE964614, BF816037, AW827289, AI538085, AW148536, AI923989, AI571909,

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HODBX93	1792	897498	1 - 785	15 - 799	AA767855, AW977380, AA765910, AW975618, AV724520, C14331, AV699447, AW978634, AV718489, AW960553, AW949645, D80253, AW964468, AW973541, AW978661, D80366, AV718692, AW973474, C14429, D59859, D57483, AW958993, AW959799, D80391, AW966029, D59787, AW949656, AV718938, D51423, AV718633, AW966053, AV720791, D80196, AV718707, AV720211, AW964488, AW973488, D81030, D59889, D59467, AW966531, AV719557, AW959582, D80166, AW949642, D59619, D80210, D51799, D80240, AW973334, D80212, AW966065, AV720878, AV719822, AW966534, AW973307, D58283, AV722801, AV719324, AW959136, AW975605, AW960465, AV719468, AV718931, AV720731, AW973482, AW966022, AV723927, C15076, AW959202, C14389, AW975613, D80188, AW966041, D80024, AW966013, D80043, AW956397, AW959628, D80022, AW959570, D59275, AW964737, D80195, D80038, D80219, AW975621, AW978648, AV718440, AV720028, AV699550, AW949641, AW965163, D80164, AW966075, AW966032, AW966054,

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HODBZ06	1793	740759	1 - 1790	15 - 1804	AL041280, BG164191, BF983123, BE876977, AA702184, BG248849, AW474133, BG250650, BE539165, BF513442, AW269763, AI962971, AA935874, AI150109, AI554409, AV687584, AW007775, AA890008, AI082758, AI199306, AI922307, AA152030, AA037349, AW021321, AI688218, N22419, AA406318, AA152104, BF671348, AI367278, AI797211, AL038734, AL038733, AA258062, AI089356, AA884389, AA017390, AA661741, AI082269, AI770119, AI824725, AI027376, N25640, AA282370, AA918822, AI027020, BF374008, N39100, AA911009, AA836812, AA992896, AI002479, AA970541, R55560, AL041279, AA806318, AA203606, AA759257, AA278551, AA232852, BE930063, AW876088, AW876064, AA593839, AA421935, AI797333, BE177081, AA485458, AV697997, AV695832, N22883, N31270, AV690252, H68957, AA337924, AW995402, R68540, H04053, W44899, AV694870, AW241214, H03366, Z19311, R67924, R55321, H65584, T67446, AW243674, BE048922, N70432, AV734002, R68246, T96801, T96685, AA332109, AV696911, AA994146, BF248155, R36914, AA336479, AW876067, W39547, AA384849, F00568, N48457, AA282020, AW876091, AW965295, AA094925, BE714862, AW103805, T69479, AW799660, BE165021, BF924148, BE542967, BF927515, BF926234, BF820595, BF820597, BF926247, and AX013176.
HODCA73	1794	847421	1 - 817	15 - 831	AA904865, AW070361, AW072369, AI376433, AI809916, BF111762, N62981, AW592857, AA934110, AI873382, AA573710, N79887, AL120102, R54444, AW956856, R40461, AA745738, AA348705, AC007744, AC007744, and AC007744.
HODCV86	1795	637035	1 - 393	15 - 407	T69981, T69924, AA078476, AC016831, AC058791, AF017104, AC016831, AC016831, AC058791, AC058791, AC058791, AF017104, AF017104, and AF017104.
HODCY44	1796	737875	1 - 1241	15 - 1255	AW264690, AI922538, AP001753, AB001523, U61509, and AL050119.
HODDB58	1797	580862	1 - 1754	15 - 1768	AA954473, AI935740, AW104361, R12020, BF510327, AA458637, AA740677, AI264626, AC025257, AC009803, AC005799,

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HODDG72	1798	655357	1 - 812	15 - 826	AW971961, AA974181, AW152624, AA480793, AL353804, Z97832, AR036572, U91328, AC005736, AC005952, AL162390, and AC005082.
HODDJ25	1799	824592	1 - 2229	15 - 2243	AL520216, AL515422, AL520217, AL515421, AW954160, BF792309, BG249014, BG170296, BE786143, BF575181, BG167919, BG110753, BG179539, AI114456, BG119891, BF244589, AW965417, BF575005, BF131233, BF696666, BF671089, BF132459, BE278079, BF670977, W74591, AA843432, W72727, AV747020, BE540806, AW054863, BF571282, AI051134, BF953968, AA993304, AI360412, N31310, AA010516, BF962398, N22923, AA465007, H98822, BF790723, R43945, AA937141, AA455287, AA737840, BE813967, BF735657, AA412622, AA412481, BE242415, AA501430, N23547, BF962448, AA004981, BF216030, AA426293, AI079185, BF962140, AW964240, R94366, AA304780, H02226, H06088, AA299870, AI520988, BE563985, Z28645, T30179, AW969135, AA334324, Z24919, BF572488, AA371276, T16658, AA010430, AA343256, R45241, AA782640, R32238, H62252, H62341, BF677348, BF827272, AA504840, AW885678, AI193957, AA219667, AA505168, BF735800, D20651, AV726056, AV719825, AV719156, AW959733, AV720062, AV720893, AV718896, AI557018, AV652809, AV719551, AV652214, AV654326, AV653163, AV645769, AV724349, AV725496, AV719565, AV720500, AW952432, AV650926, AV650031, AV652066, AW967166, AV724520, AV650903, AV648653, AV652810, AV645788, BG141322, AV726209, C18175, AW958904, AW957478, AV727824, AW960548, AV658150, AF116618, AK024720, AC007282, AL356968, and AL356968.
HODDN21	1800	633705	1 - 954	15 - 968	AV702177, AV706745, AW962996, AV707189, AV726903, AV725655, AW952829, AW966737, AV703563, AV694787, AV703090, AV705343, AV655552, AW958164, AW965534, AV646526, AW958127, AW949767, AW953988, AW960830, AW954242, AV701537, AW962929, AV647622, AV704467, AV702558, AV703158, AW963390, AV726337, AV708167, AV706104, AV703783, AV703125, AW949475, AV702402, AV703742, AV656107, AV726830, AW950594, AW952419, AV705660, AW963581, AV706035, AW952885, AW963398, AV726054, AV661490, AV727756, AW949330, AW958849, AW950256,

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HODDO31	1801	658710	1 - 1518	15 - 1532	AV646951, AL519025, AV653899, AV725675, AV684221, BE898904, AV726136, AL517089, AV727064, BE869650, AV704436, AV698297, AV704663, AL513650, BE867481, AV728877, BE875861, AV646995, BE877136, AV715027, AV725385, AV704608, AV728608, AV707837, AV702052, BE877237, BE867491, AV728679, BE898944, BE898483, AV729537, AI132911, AV708441, AL517076, AV716356, AL532298, AV725308, AV707715, BE877727, AV725437, BE880292, AV702020, AV706351, AV729559, AV707841, BE888015, AL517234, AV725378, AV729236, BE881744, AV703277, AV704165, AV725126, BE876644, AV658808, AV711180, AV729194, AV718211, AV703479, AV707069, AV709996, BE867561, AI132942, AV726073, AV707014, AV727154, BE898637, AV728435, AV725931, AV713809, AV728345, AV653750, BE874843, BE877070, AV707242, AV727114, AV728531, AV709122, BE869470, AV702892, AV726525, AV725800, AV698269, AV692615, AV725792, BE893720, AV725651, AV659186, BE873078, AV703741, BE880029, AV727397, AV694873, AV708014, AV721964, AV697049, AV692684, BE874945, BE877881, BE867992, BE895591, BE877835, AV713774, AV725158, AV692647, BE899621, AV659236, AV702559, BE873811, AV698150, AV701527, AV653810, AV690429, AV714983, AI065135, BE879827, BE868816, AV725680, AV698145, AV723134, BE896571, AV728291, AI114672, AV659225, BE869351, AV704022, AV704746, AV706338, BE877374, BE869031, AV706421, AV698146, BE876545, AV715684, BE894898, AV725096, AV721532, AV691546, BE880560, AV722257, AV721450, AV726227, BE869205,

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HODDQ06	1802	834824	1 - 1860	15 - 1874	BF979948, AW974523, BG114508, BF216634, BE544918, BF690973, AW195611, BG030609, BF223257, BE537775, AW574679, BF979563, AI932328, AI738792, BF217205, AW665895, AI393315, AW193686, BE738341, BF697440, AA449542, AI969593, BE466775, BF244794, AI375878, AW118095, AA913471, AI911763, AI015407, AA737663, AW403476, AI366737, BE737880, AW269502, BF217039, AW962279, AA740847, AI285359, AA448898, BE245537, BE245643, AA476576, BF184657, AW513628, AI278471, AA405512, AA651780, AA768652, AI955022, AI276896, AA971676, AI002631, W25389, AI287319, AI216689, AI300231, BF149372, AW818197, AA856840, AA353579, AA830977, AW876692, AB027249, AB027250, AF237709, AF189722, AB041882, and AR044109.
HODEA20	1803	840376	1 - 1457	15 - 1471	AI796726, AW614648, BF446977, BE816114, BE563584, BF667625, BF970935, AW959518, AW965427, AI693300, BE011002, BF063439, BF591664, BG149988, BF196605, BF437678, BG150071, AA193502, AW071794, AA142952, AA418022, BE219377, AI283696, BG035738, AW967731, BE219379, AI755062, AI380818, AI678140, AI381935, AA418194, AI802909, BF941550, AI948691, AA626650, AA652725, AA902476, BE926218, AA725614, AI423894, BF358687, N31617, AA150662, AA630108, AI373239, AI791732, AA724599, BG036003, BE789765, BF328629, AI356864, AI805996, T62532, BF803277, N57065, N69342, AI598116, AW371739, AW366523, AI281058, H42794, AW368230, AI498688, AA252356, AA557223, AA332258, AI220439, AA706721, AI923967, AW892446, BE243241, AA861141, BE869611, R12881, BG150217, Z40270, AA363075, T62607, AI907288, AA948461, R41273, Z44311, AI341654, N53098, F06048, AA025663, R35506, AW469954, AA835421, BF761517,

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HODEM38	1804	835100	1 - 1103	15 - 1117	AC007075, and AC007075.
HODET37	1805	840377	1 - 1107	15 - 1121	AC027114, AC027114, AC022790, and AC022790.
HOEBI94	1806	795312	1 - 2308	15 - 2322	AV700432, BF965960, BF338962, BE250218, AI912352, BG163836, BG179673, AW130523, BE513050, BE280305, BE393987, BG111235, BG258249, AW149842, BE409983, AW341514, AA773455, AA522525, AA776733, AI026840, BG118405, BE272655, BE294026, AW375584, BE877385, BE299290, BE299292, BF204161, BF694833, AI591106, BF923726, BE895829, AW607491, BE250363, BE777868, BF340589, BF204228, BE259335, BE887867, BE297866, BE254298, BE886939, BE939962, AI031949, AA988760, BF982200, BF204269, AW369755, AA993682, BE348849, BE706647, AI201893, BE257223, AI653463, BE706642, AI684477, AI625737, BF530598, AW117441, BE219193, BF214868, BE940005, AA918555, BE695852, AW958090, BE502817, AI799582, AA635516, AI760164, BG112568, BE464200, AA256359, AI339052, AA806537, AW732579, AW105219, AW058334, AI803711, AV707100, AI359277, BF344025, N30564, BE781929, AA425103, AI355957, AV717220, BF840978, AI949604, AI014426, BE931062, BG166226, AI049910, AW189387, AI912899, BE972327, AA196568, AA182658, AA429324, AI025706, AA233292, AW389217, AA088775, BF800900, BE709809, BF219053, AI492541, AV687441, AI014494, AA088706, AI376879, AA767295, AI015616, AA677145, AA088774, AW449626, AW964057, AA053126, AI002514, AI871928, AW627650, BF799541, AW384851, AA502513, AW362485, BF800894, N94803, AA570537, AA694289, AW380039, AW900430, AA903127, AA497024, AW977118, AA642302, BE089985, N73133, AA101806, BF799528, AA975855, BF953460, AA878896, AA971232, AI025705, AI223330, AI418497, W28163, AA256263, AW892823, N63901, W22312, H57730, AV681827, N39316, AA772910, AA088772, AI375436, F13381, BE747312, AW089514, W28292, AI537188, T90344, AW852883, BE080511, BF824972, AA329379, BF811266, AA721224, AW368635, AI148151, BE939525, BE504446,

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HOEBJ70	1807	836143	1 - 1316	15 - 1330	BE410165, BE743503, AL535162, BE276370, BE744078, BF026257, BE389312, BE408697, BE274541, BF036457, BF437247, AL535161, BE408625, AW300870, BE410073, BE408820, AA431672, AI597854, AI554761, BE855688, BG170244, AI417346, AI359263, BE410078, AI291704, AA516398, BE247737, BE857189, AA876211, BG104260, BE327934, AU153030, AW008238, AW410802, BE276470, AI932813, AA421017, AA994105, AI668770, BF436960, AA076093, AA765330, AA431320, AA845880, AA678497, AA523597, AA687123, AW057915, AI587458, BG150707, AU149661, BE207303, AI202050, AI208946, BF149143, T50077, AI688342, AA076213, AA631100, BE410588, AI381451, AI700248, AA362929, AI277395, BF833116, BF110877, AI418069, BF125100, AI817770, AW955589, AA863492, T50015, AA383084, AI758413, BE302767, AU149760, R44300, AA917575, AW958755, BF330002, AW875798, AW875800, AW885720, AI673560, AA627860, AA532963, BF508004, AI553847, AW885703, AW601512, AI400934, AA515685, AA653094, AA524552, AA642657, Z39971, BG255249, AW601488, AK023162, AC083864, AC069002, AL138781, and AL138781.
HOECB33	1808	840378	1 - 1086	15 - 1100	AL524062, AL537567, AW207846, AI672527, AI990606, AA497115, AI467781, BF056089, W94928, AW962030, BF109870, AW005999, AI126090, AW195721, AW964714, AA633336, AA602524, AI126538, AI017950, AA148927, AL530489, AW351774, BE855817, AA936366, AL524063, BF948099, BE858672, AW296320, AI627417, AI635308, AA928286, AI076265, AI652866, AI076318,

					AA437022, W92199, AI127222, AI700451, BF948097, AA443272, AI933175, AA555074, AA442850, AI954667, AA233281, AA022932, AA552573, AA954042, AA324123, AV655880, AI380721, AW294354, H78536, AI280388, BF445649, AA552584, AA022982, AI962823, AW025652, AA497037, T31104, BF526204, T19347, T31205, AI566546, H79022, AI825336, BF478228, AI379375, F19572, Z40716, AA953616, AI078702, AA813647, AA148926, AI371668, AW451995, AI814726, AW181970, AA852470, BF247225, AW190912, AA232842, AI371960, BF944249, BE645925, Z44980, AA716601, F25486, F34404, AA476681, AA983819, AK026015, AB030187, AC009427, and AC009427.
HOECX21	1809	842866	1 - 1949	15 - 1963	BG033363, BE065131, BF983308, BF691498, AW250915, AW751004, BF027422, BE890164, AW069558, AW839941, BE301204, BF725723, AI052341, AI125223, BE969955, AI368149, AI660738, AI917124, AA216414, BG034549, BE778512, AI798189, BF815576, AA225280, BF946325, AA480990, N94394, AI093272, AI088637, AI952144, W27845, AW371997, BE925999, AI091099, BE092438, W52940, W69919, AA991732, AA536053, AW371994, AA988139, AW452888, AI674763, BF512604, R51742, AW470524, AI372499, AI571816, AA234282, AI831026, BG255225, AI424046, AW473994, AI364348, AA125990, AA188971, W69738, N24801, AI126998, BE541848, R91992, AA229510, AW371993, F30491, R53339, AW372339, AA188926, R51743, H41976, R54745, R53944, AI199371, T67082, AA321856, BF931837, AA912970, BG150406, AI372500, R32574, AA349542, R93197, AA304733, AA902252, AA876410, R28641, AW750996, AA353263, T82337, AA852475, BF572598, AA037409, T57777, AA886917, AI264171, AI290409, AW150490, N56036, AA090944, BE897953, AW848930, R00223, AW890830, BE936538, R16626, AI985843, R00329, BF365757, BF433466, BF819051, BF855553, AI873028, AA576002, AA236272, BF971647, F37274, R54934, AI566619, AA226881, AA349543, BF062256, H41928, BF509738, AA190400, BE884842, W27433, AI935654, AL134524, AW979238, AW972816, AW975037, AW979127, AW861944, AW971403, AW975965, AW858525, AW972845, AW979002, AW975971, AW972292, AW976024, AW974801, AW975876, AW972867, AW975105, AW975032, AW976023, AW975019, AW969791, AW975031, AW975154, AW975002, AW979098, AW973219, AW979176, AW979090, AW974786, AW969673, AW979294,

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HOEDE27	1810	825262	1 - 946	15 - 960	BE155099, AI627917, R70883, AA603675, H68343, AI282629, BF760573, BG260565, AL133240, AC002351, AB023048, AL354720, AC021016, AL031589, AC004638, AL133448, AP001728, AC005332, AC005412, AC005081, AC007690, AC011489, AC004685, AC004752, AL121893, AC008784, AC003684, AC020626, AC002551, AX039602, AC004821, AL109827, AC008569, AC004491, AL117381, AC005015, Z86090, AC027319, Z99716, AL121890, AC004025, AL121749, AC005102, AP001715, AL121989, AL139100, AC004167, AC020916, AL022323, AL049795, AC008733, AL049872, AC008649, AC005225, AC010328, AC004089, AL118506, AC004840, AF196970, AC008687, AC011500, AC005529, AC020908, AC008521, AC017100, AL109936, AC008760, AL157827,

					AC007216, AC002059, U91323, AC005736, AL033527, AC002316, AC011442, AC007546, AC005837, AC005585, AC007000, AL158830, AL096791, Z93241, AP001714, AP001719, Z84480, AL391114, L78833, AC007040, AC007066, AL031670, AC004019, AL157775, AC005098, AP001725, AL008719, AL356299, Z98044, AC006077, AL158824, AL022316, AC004166, U91326, AL162615, AL035697, AL109804, AP001670, AC002350, AC000026, AL355392, AC011445, AC020917, AL391259, AC012309, AC005484, AC011465, AC010463, AC013429, AL109963, AL157938, AC006345, AC008068, AL021407, AL096701, AP001717, Z83822, Z95114, AC008616, AL136170, AC009509, AC004858, AF200465, AC007156, AC017002, AC008551, AC005409, AC011484, AC022148, AL139109, AL132775, AC006329, AF196779, AP000131, AP000209, AF109907, AC020904, AC009194, AL445483, AC016637, AC009060, AC009079, AP000512, AP001754, AJ009611, AC005522, AL080243, AC002429, AP001710, AL009181, AC005899, AC000025, AP000510, AL161445, AC006948, L44140, AC006994, AC006449, AC005565, AC006487, AF111168, AL137073, AC005519, AL136137, AC008267, Z98052, AC024082, AC002544, AC006080, AC005914, AL078461, AF053356, AC011495, AJ277546, AL133263, AC007182, AL138787, AL162724, AC007021, AC004971, AC007956, AC007225, AC005089, AC008403, AC006946, AC005527, AC025593, AC006211, AC005049, AC005291, AL050349, U62293, AC005355, AC007448, and AC007448.
HOEEK81	1811	844390	1 - 1677	15 - 1691	AA910339, AW592812, AA019961, AW973918, AI148577, AI161049, AI080489, N93191, AI347713, AA568790, AI034143, W22716, AI040428, AI288900, AI168030, AW631486, AI168115, BF822908, AA019891, AA814209, AI160928, AA879071, AI471198, BF435978, W38778, AI970735, AA846486, R55462, BF823461, R86006, AI151077, AI248141, AA932813, R37521, AA894621, AV658258, AA406453, AI129940, BF884501, AA725153, R54736, AI220969, AI424030, T82975, R76243, AA018634, AI582646, AI186420, BE707746, BG151068, AI272982, AK026464, AC013275, and AC013275.
HOEEZ62	1812	638833	1 - 371	15 - 385	AV705433, AV726503, AV725709, AV702947, AV706584, AV729255, AV725529, AV654282, AV692176, BE877146, AI557222, AV756682, AV727472, AI064816, BE881230, AV724819, AA469321, AV759547, AA467922, AV758197, AV707611, AV721822, AV728243, BE880733, AV653804, BF942332, BG222560,

				BG222322, AA467864, BE877083, AV717185, AV738071, AA467983, AL047841, AA467872, BE876183, AV759063, BE877078, AV705443, BE875275, AV757055, AA468250, BE874492, AV722499, BE873792, AV726938, BG231240, AV701879, BE879882, AA533928, AV762317, BF878467, BG223149, AV715748, AV721050, BE874475, AV662257, AW243938, AW128905, AV709039, C17433, AA467862, AA468184, AA467920, AV742491, AA467967, AV759381, AV742528, AI207666, AV729339, AA468920, AA657843, AA467928, BE878027, AV691890, AW070665, AI698669, AA468143, AA468002, AA468361, AA468434, AW265193, BE876813, BE876648, AV705090, BF680264, AW277108, BF942071, AV744874, AA468467, AA468095, AA602107, AI374100, BG230797, AV695014, C17062, AI065052, BG231135, BE877183, AI207671, AW129315, AI720411, AA226446, BE875306, BG231142, AI951338, BE714703, AV653812, AI557473, BE878818, AI114862, BE874917, AI718674, AV712864, AW872525, AA550877, AV711061, AI287963, BE044950, C17215, AA468996, BF942136, AI418640, AA729610, AI634214, AA468176, BG223154, AI535873, AI535959, AA574306, AA652499, BE153318, AA508188, AA420618, AA654934, AI022799, AA094361, AI065071, AI749178, AI460289, BG231064, BG231144, AA468511, AA934542, AA579481, AV729805, AA541818, AI581768, BE907009, AI799863, AA513120, C18736, BE879020, AI626072, AA550867, AA724186, AA230233, AI749551, AA541815, AA978151, AI926958, AI202491, AA468395, AI078862, AW235024, AA467968, AA724187, AA781850, AA494138, AA978154, AA569429, C16929, BE879318, AI796602, AI735781, AI374099, AV693913, AI535874, AA535848, AA224951, AI033651, AA468004, BE896904, AW440526, AA527093, AA535933, C18396, AA652954, AA548217, AA658970, AV739800, AA480424, AW237889, AA687521, AA978149, AI081273, AA658047, AA527020, AA247586, AA533509, AA658218, BE878632, BE168579, AA564192, AA654470, AA613771, BE874118, AW264966, AW265056, AA652909, AA641600, AI092988, AA513599, AA468310, AV754426, BG164804, AV705765, AA551840, AA938056, AA664671, AA572851, AA938041, AA494234, AA573677, AA548923, BE878136, BF003082, AA641087, AA094820, BE174413, AA535658, AI817810, AA468981,
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